

Program Complot
(Version 2021-1)

by

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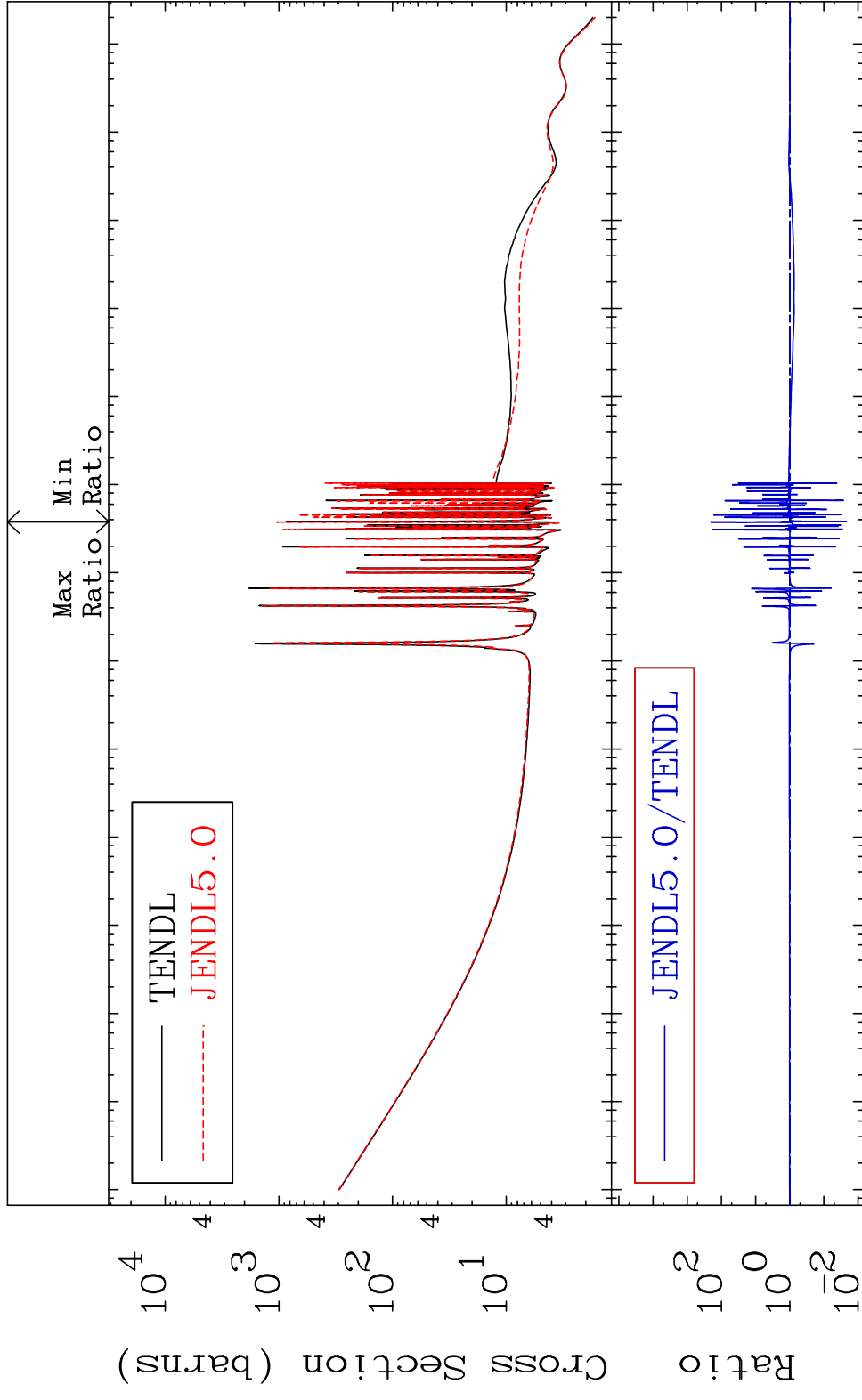
Press Mouse Button to Start

MAT 4440

Total

44-Ru-101

Cross Section -97.79 To 9999. %



1

Incident Energy (eV)

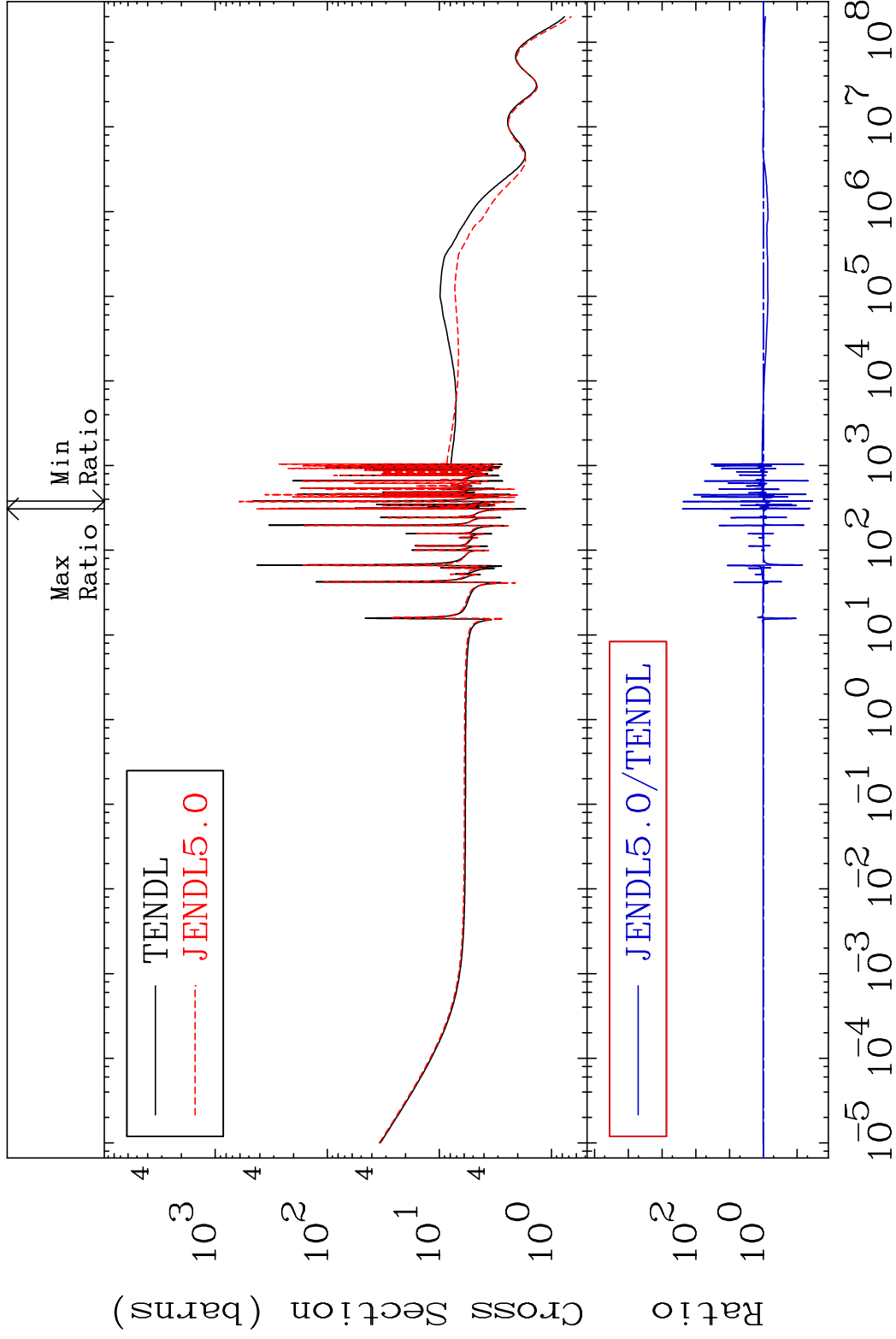
44-Ru-101

MAT 4440

Elastic

44-Ru-101

Cross Section -96.50 To 9999. %

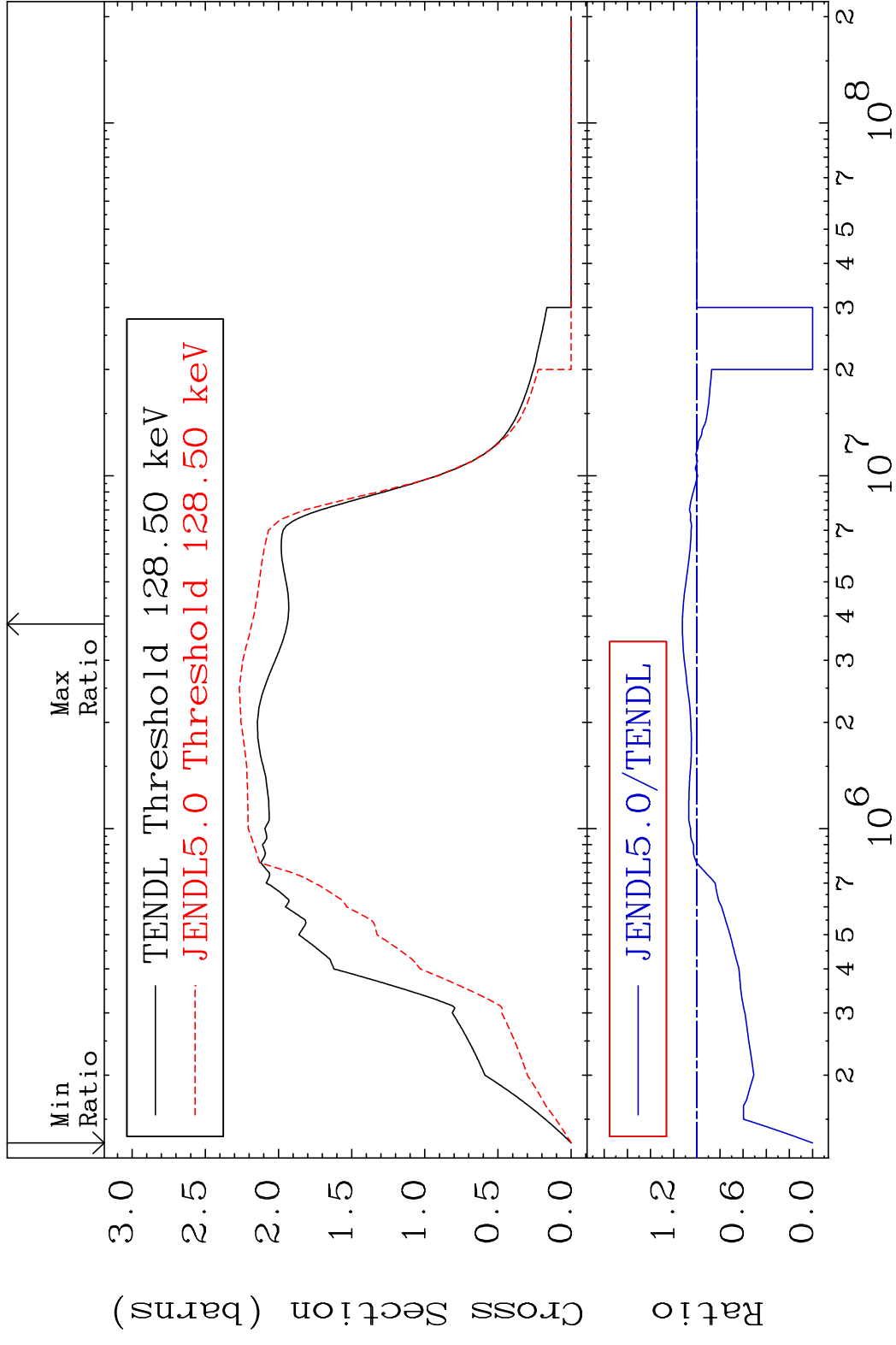


2

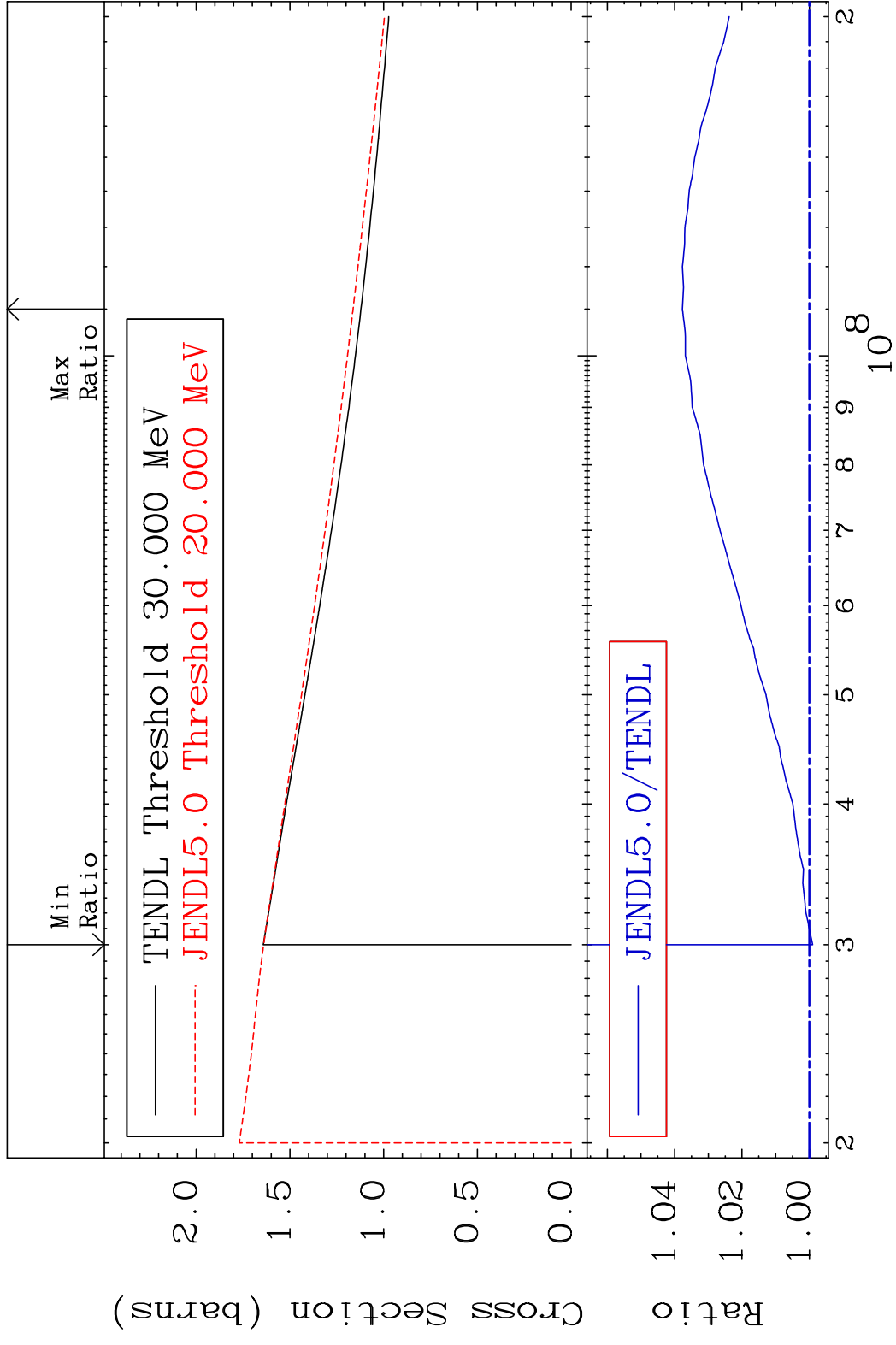
Incident Energy (eV)

44-Ru-101

MAT 4440 Inelastic 44-Ru-101
 Cross Section -100.0 To 12.50 %

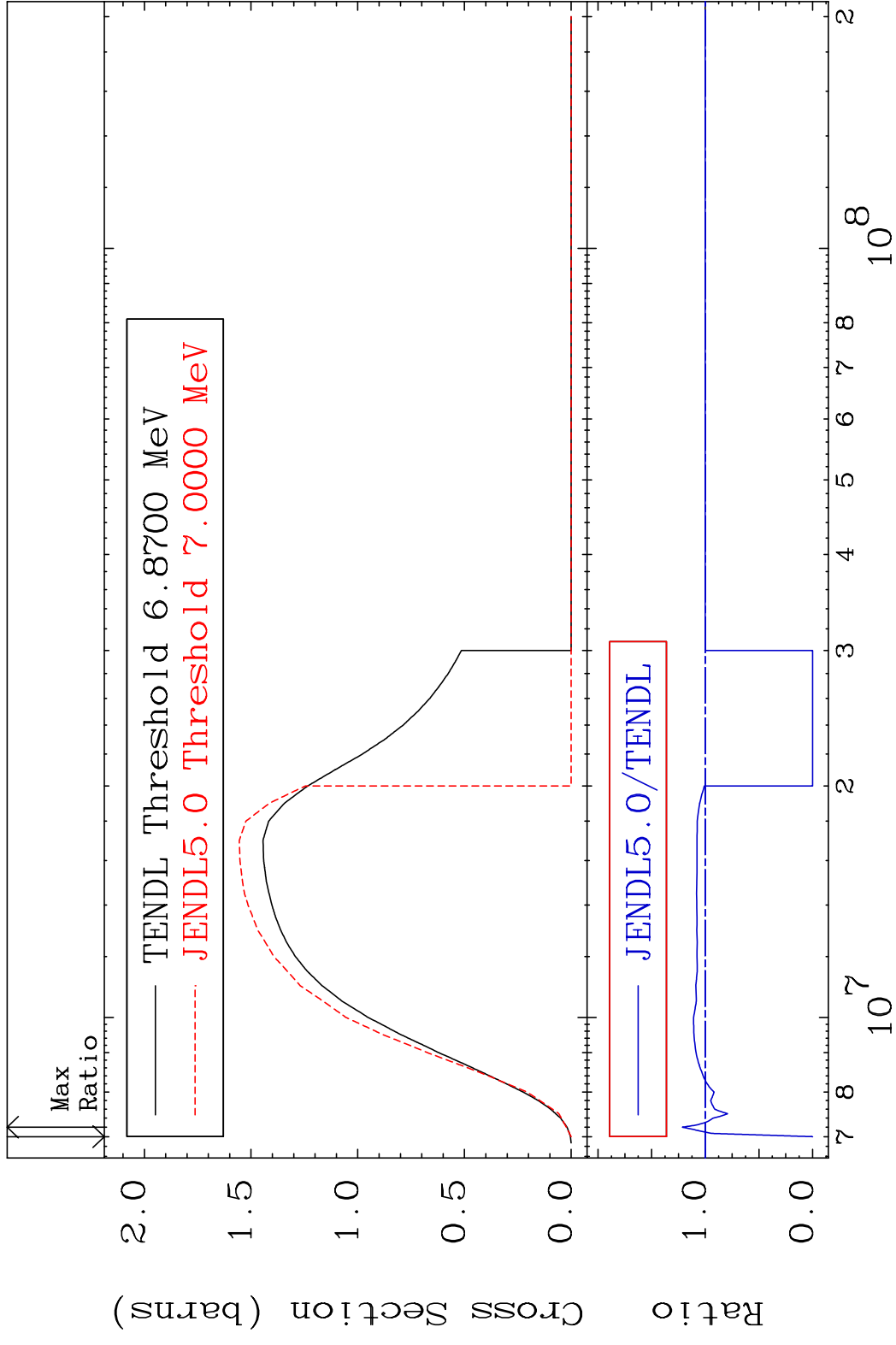


MAT 4440 (n, remainder) 44-Ru-101
 Cross Section -0.096 To 3.771 %

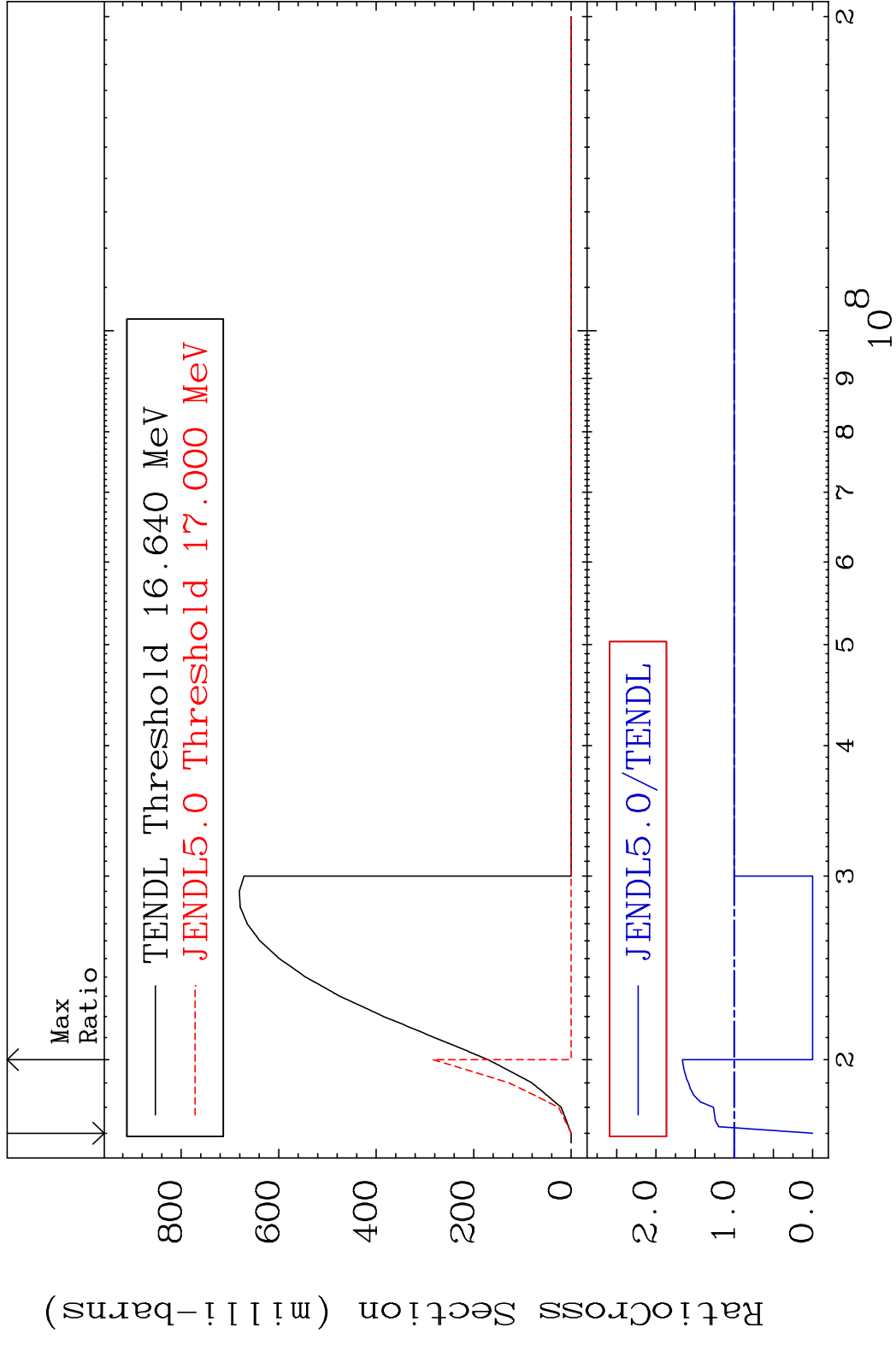


4 Incident Energy (eV) 44-Ru-101

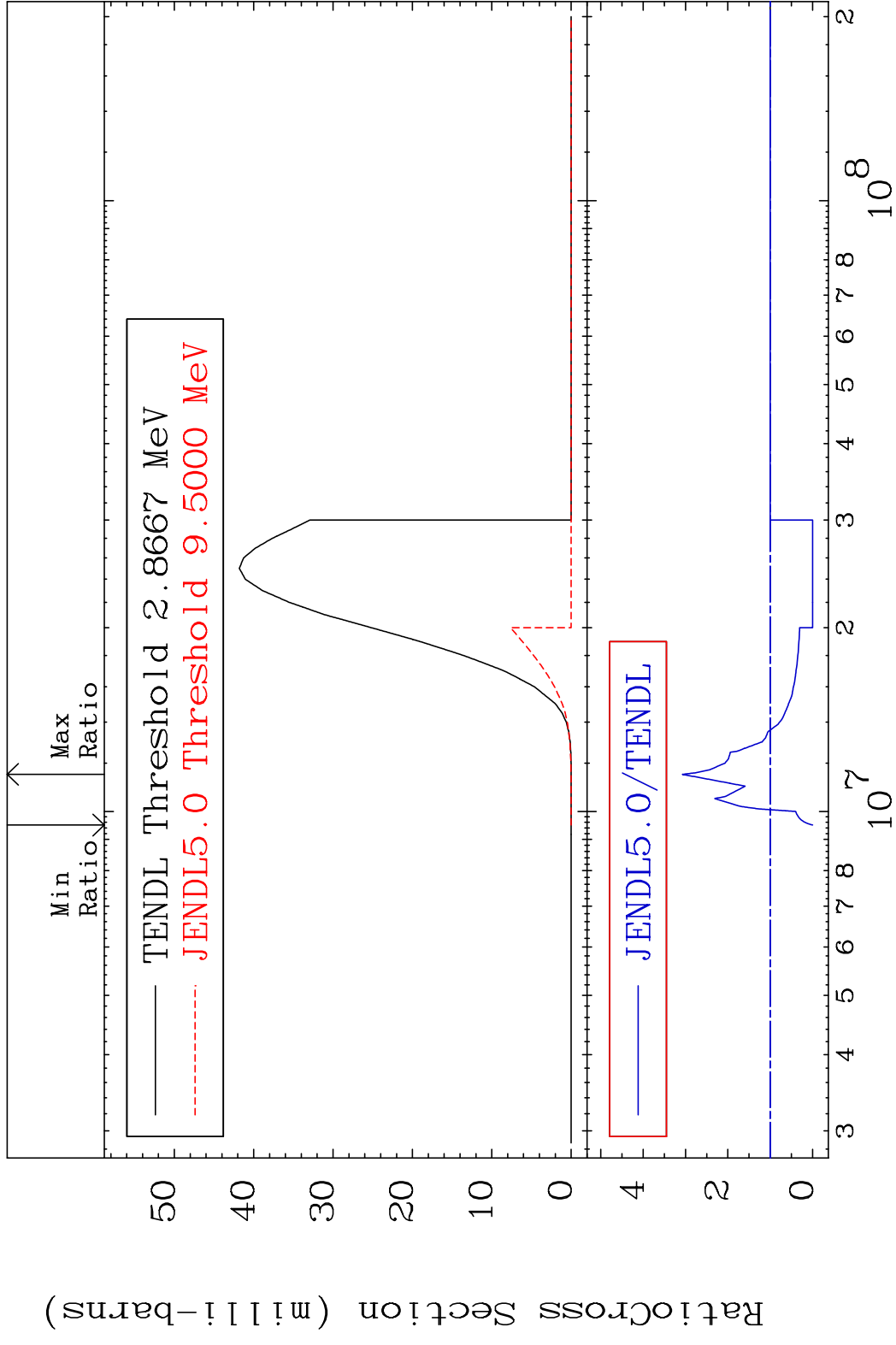
MAT 4440 (n,2n) 44-Ru-101
 Cross Section -100.0 To 21.36 %



MAT 4440 (n,3n) 44-Ru-101
 Cross Section -100.0 To 66.20 %

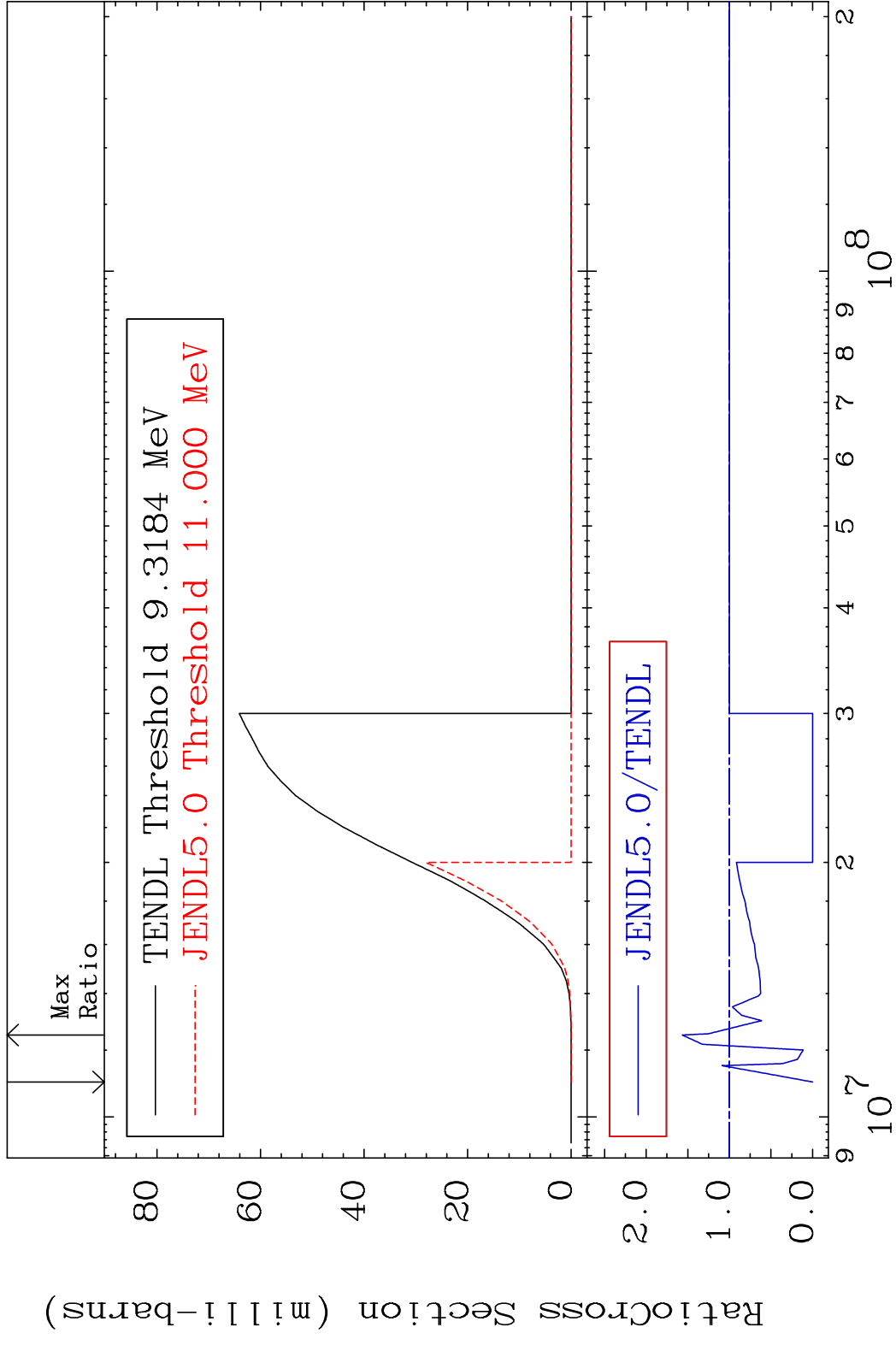


MAT 4440 (n, n') α 44-Ru-101
 Cross Section -100.0 To 207.4 %



7 4 5 6 7 8 3 4 5 6 7 8 10⁷ 10⁸ 2 44-Ru-101

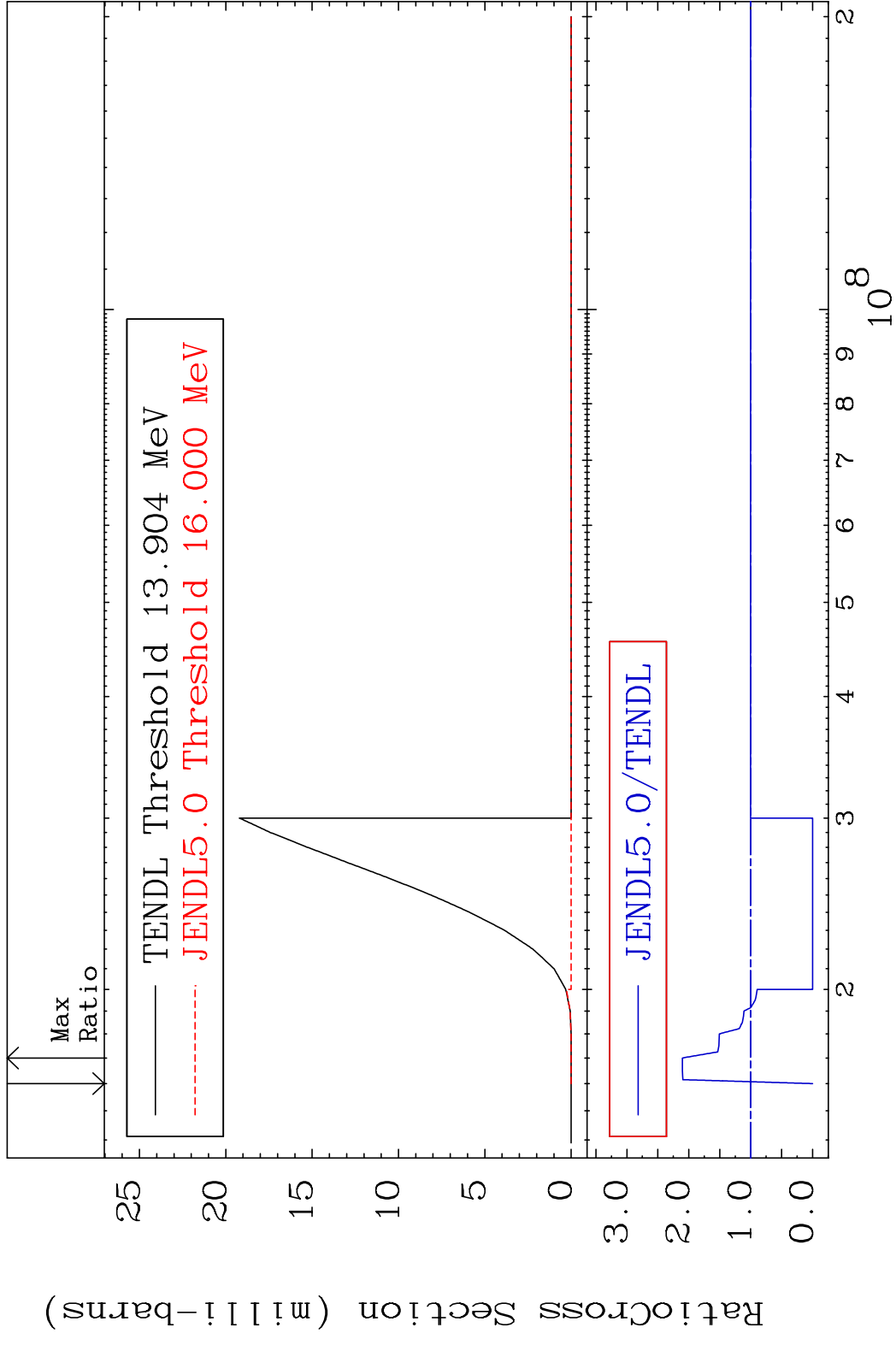
MAT 4440 (n, n') p 44-Ru-101
 Cross Section -100.0 To 56.50 %



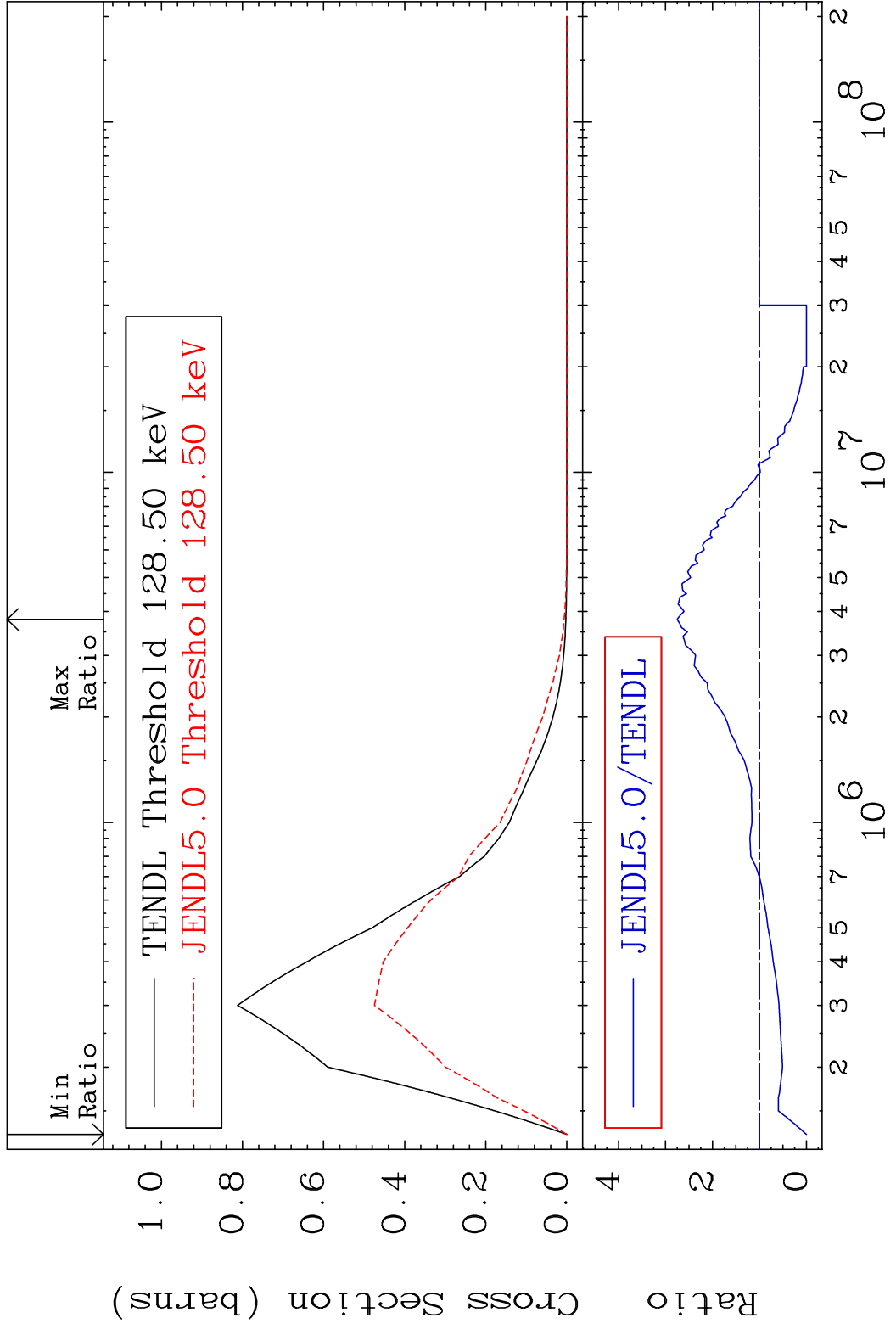
8 9 8 7 6 5 4 3 2 1 0.0 1.0 2.0

44-Ru-101

MAT 4440 (n, n') d 44-Ru-101
 Cross Section -100.0 To 110.4 %

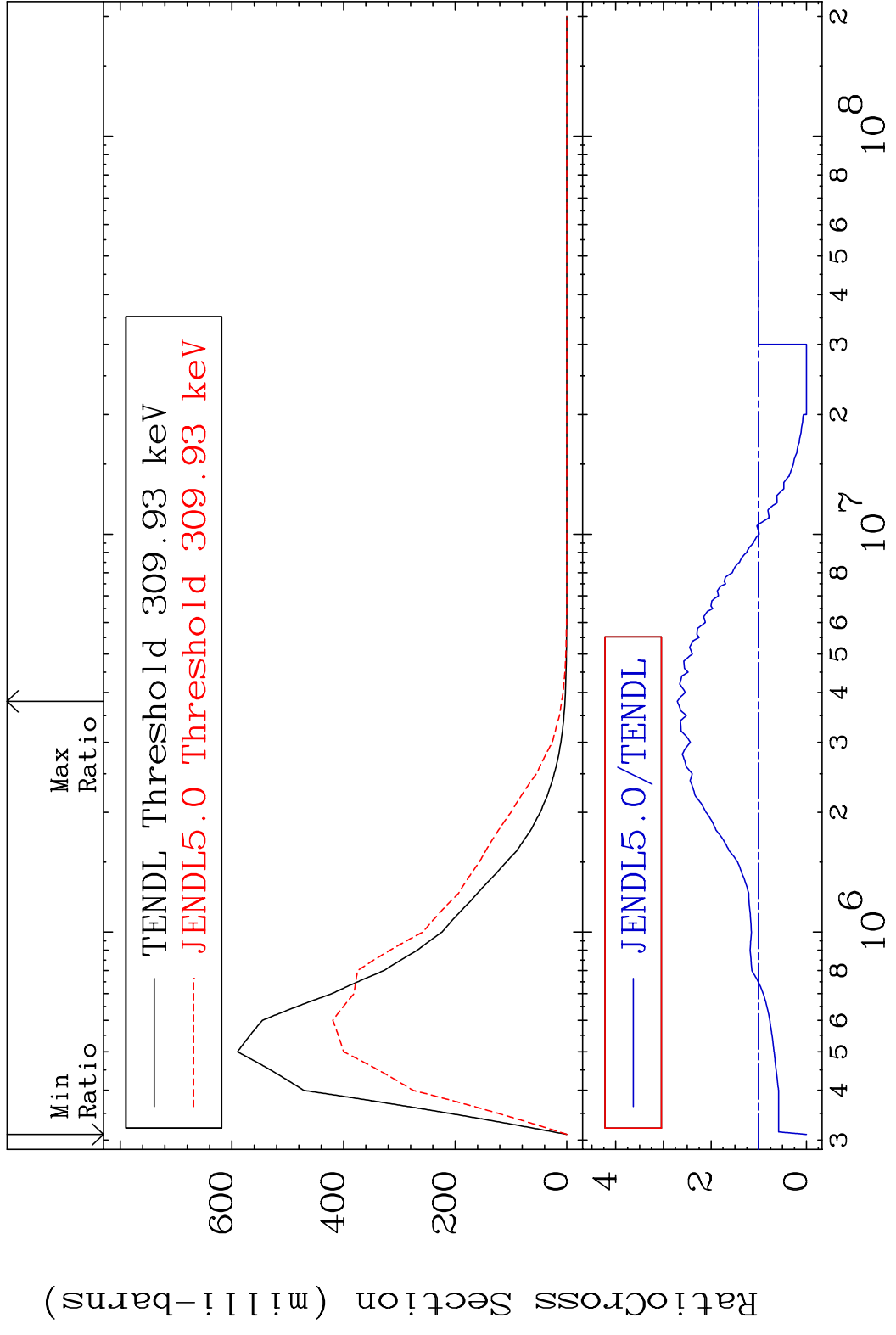


MAT 4440 MT= 51 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 175.1 %

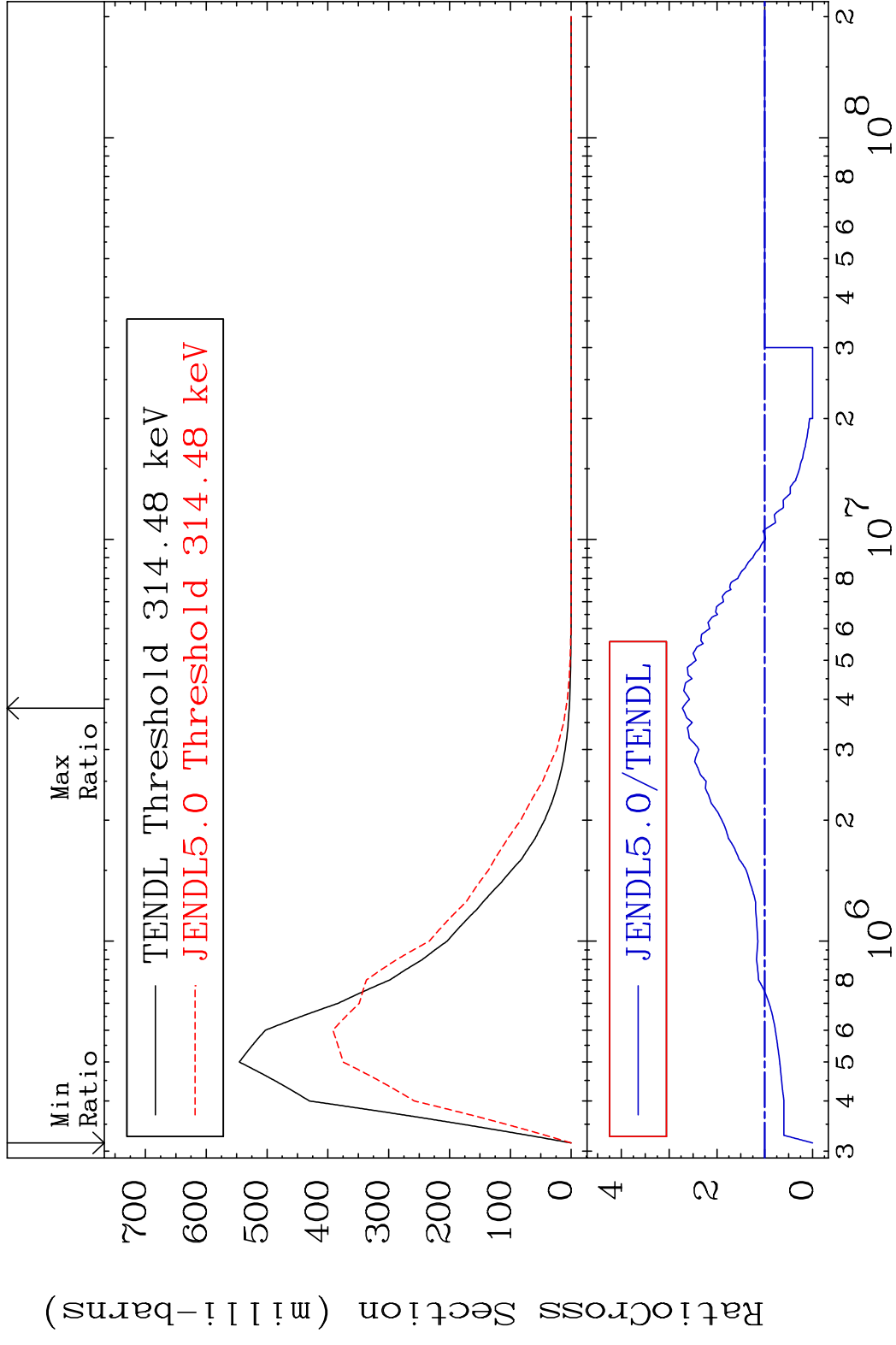


10 Incident Energy (eV) 44-Ru-101

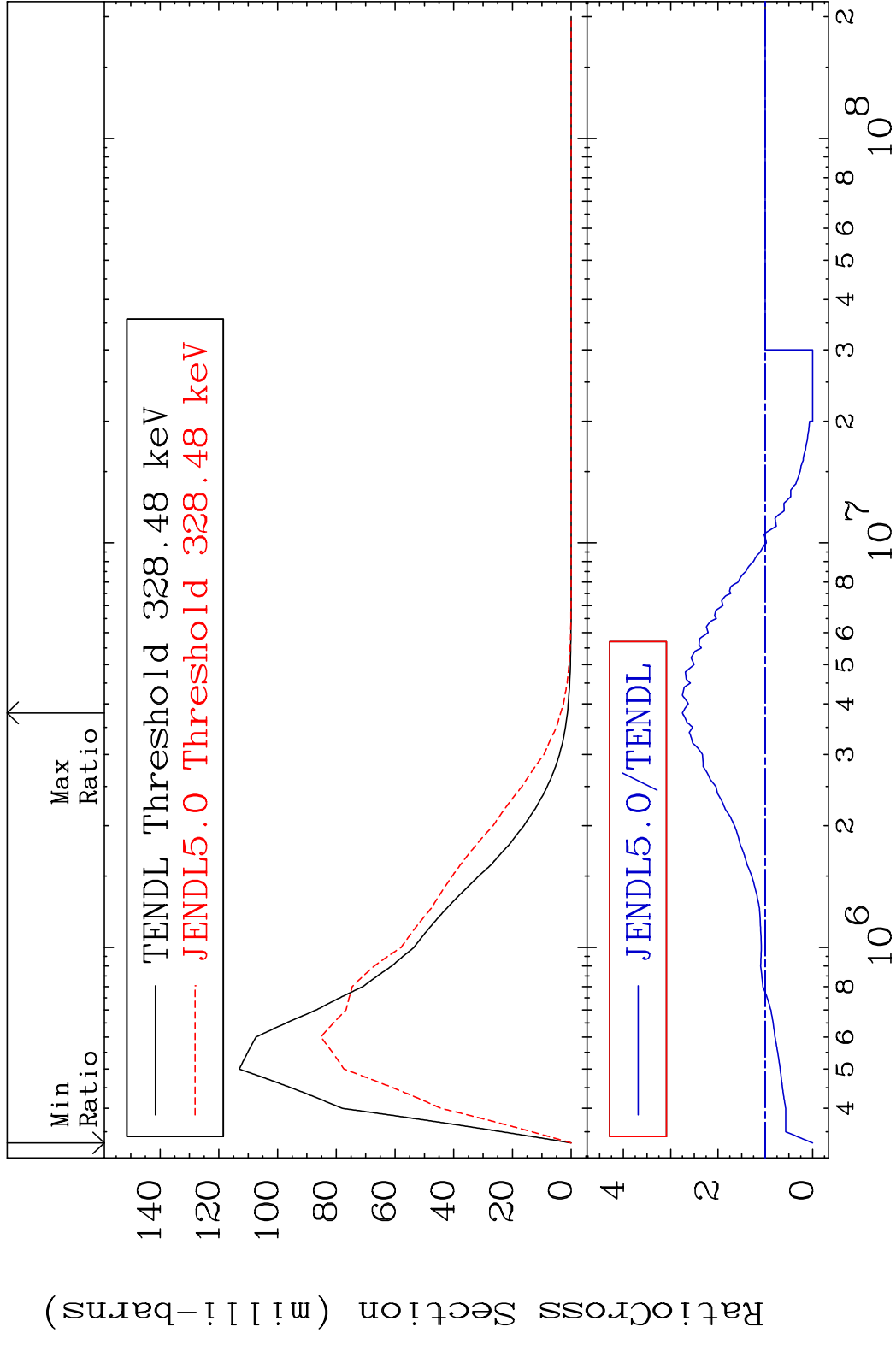
MAT 4440 MT= 52 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 171.1 %



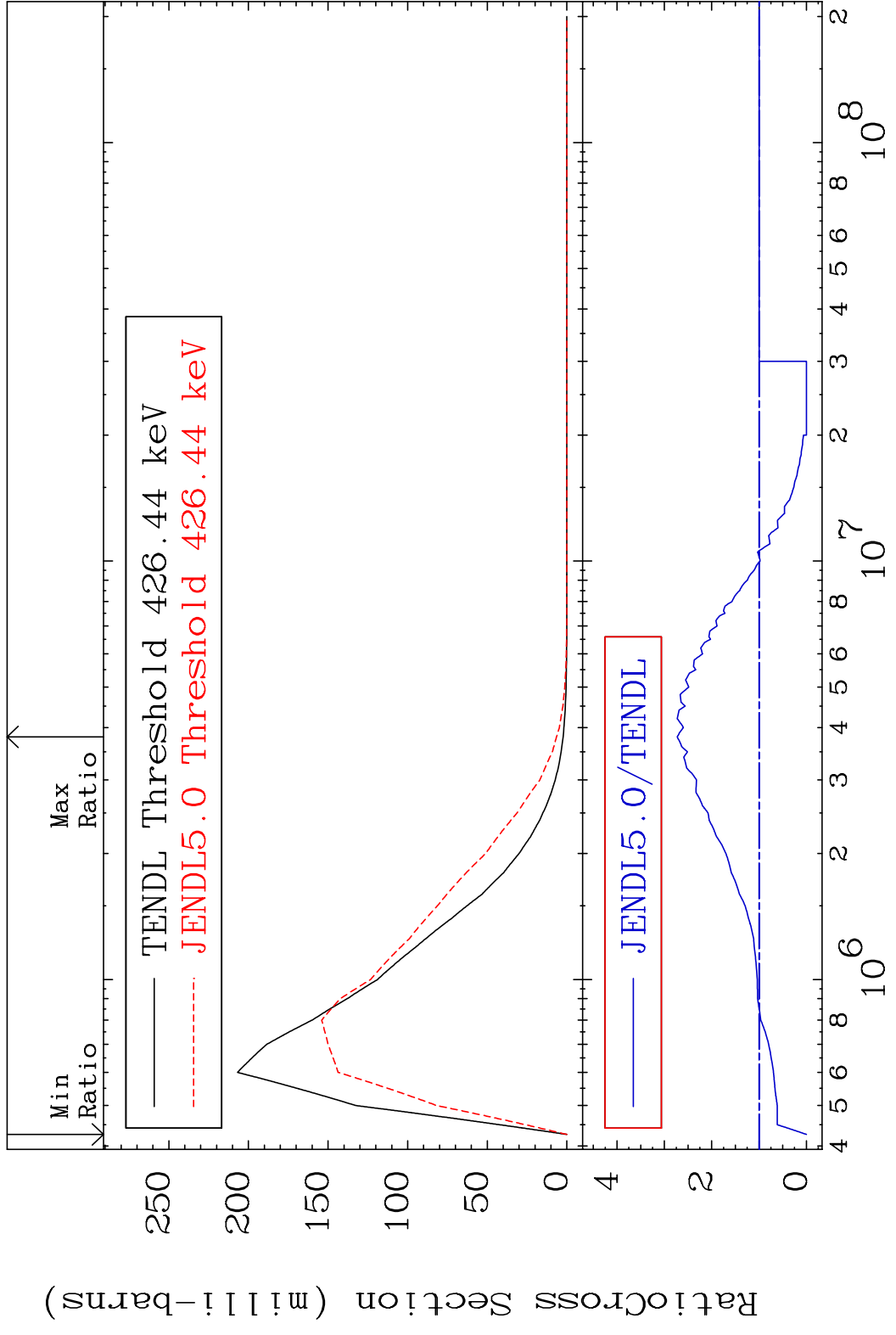
MAT 4440 MT= 53 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 172.4 %



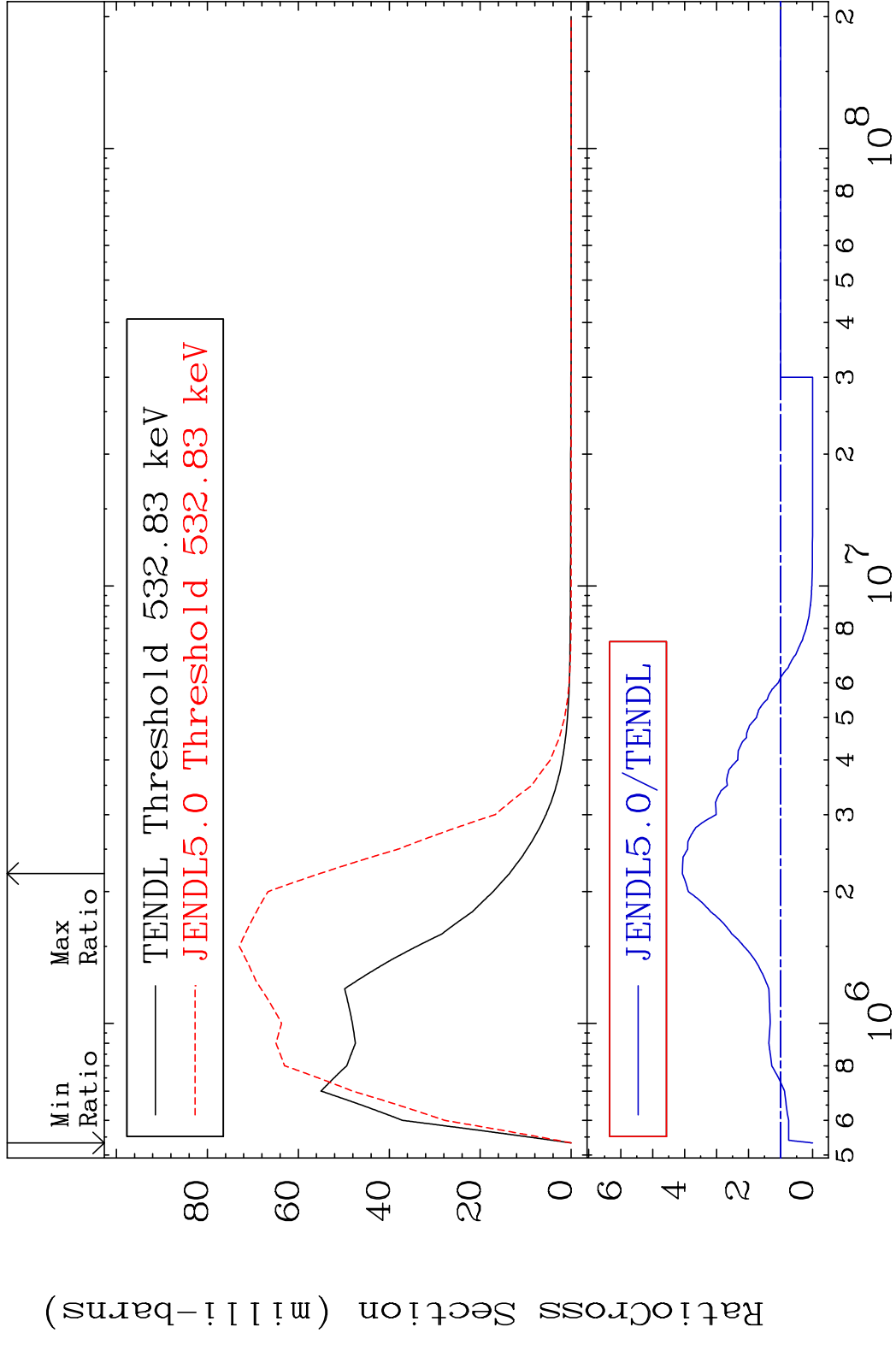
MAT 4440 MT= 54 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 175.3 %



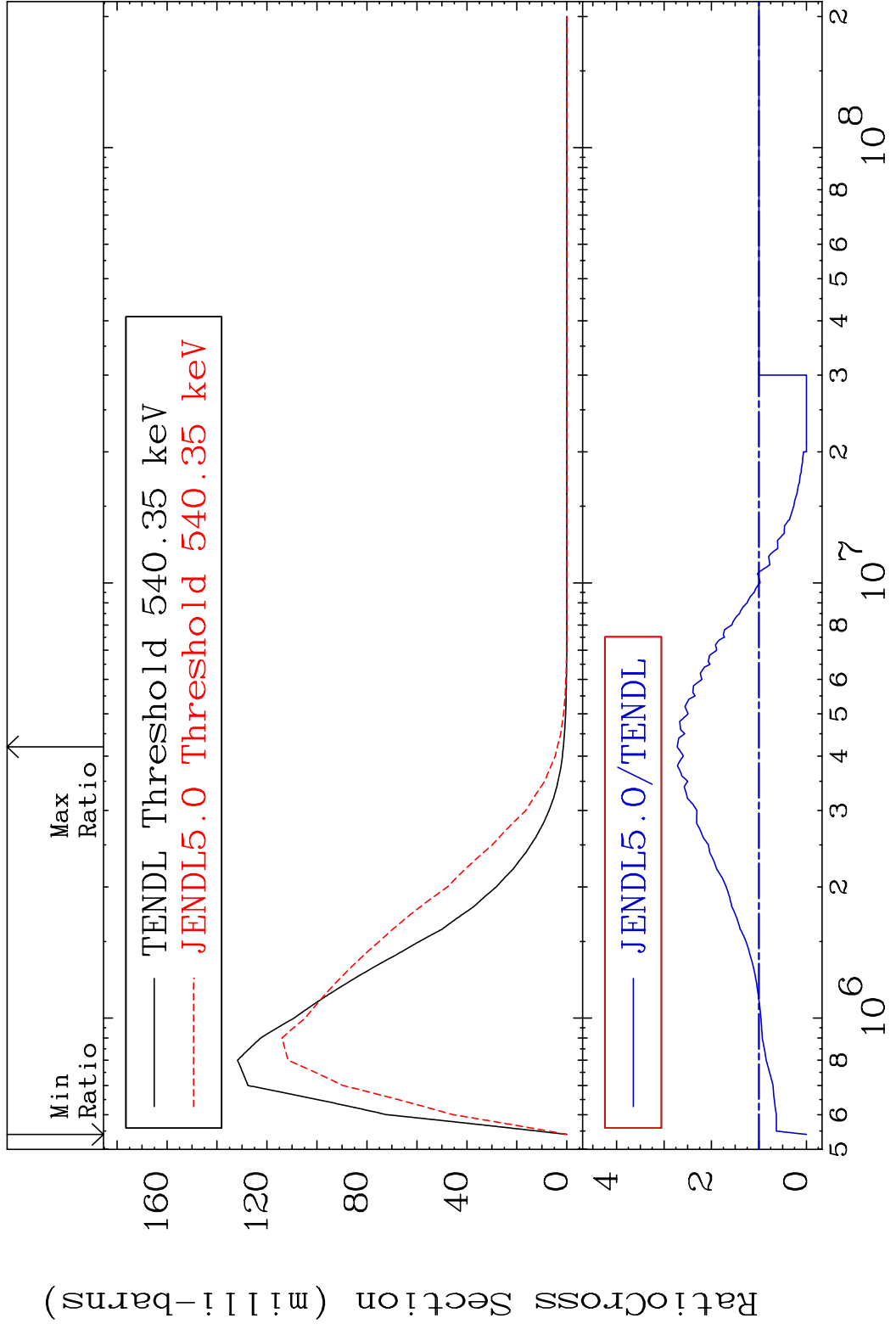
MAT 4440 MT= 55 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 172.9 %



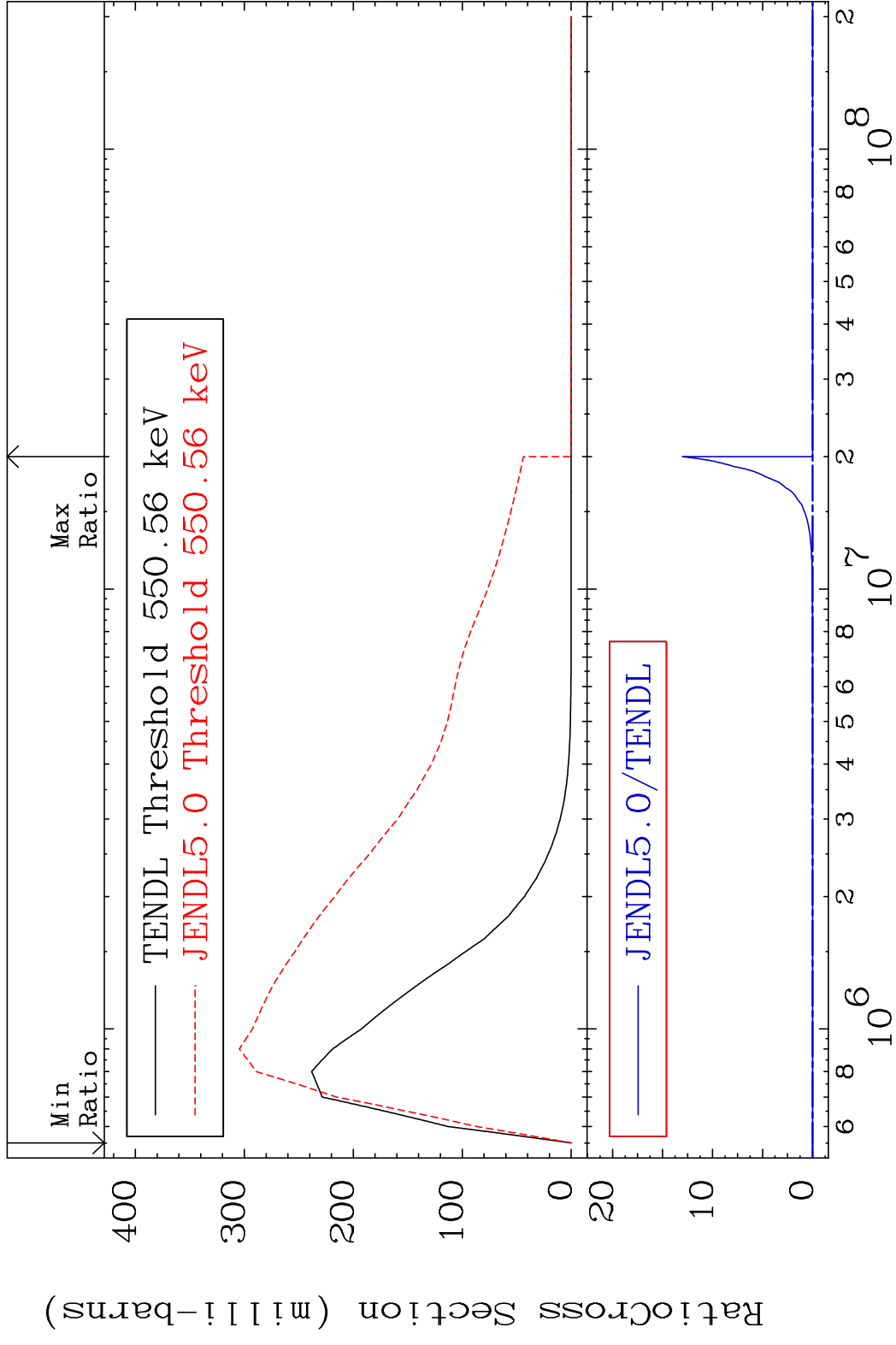
MAT 4440 MT= 56 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 307.2 %



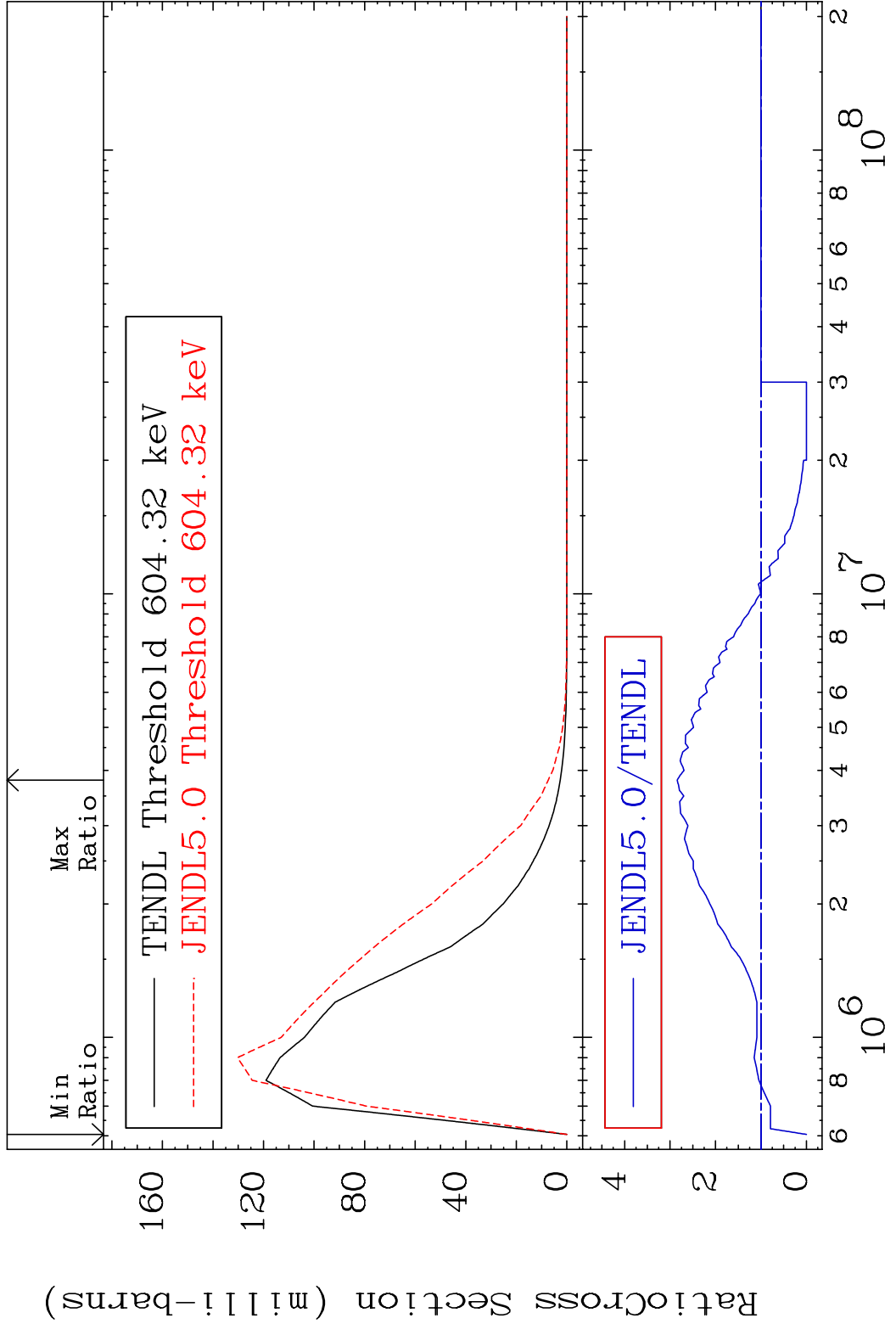
MAT 4440 MT= 57 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 172.2 %



MAT 4440 MT= 58 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 9999. %

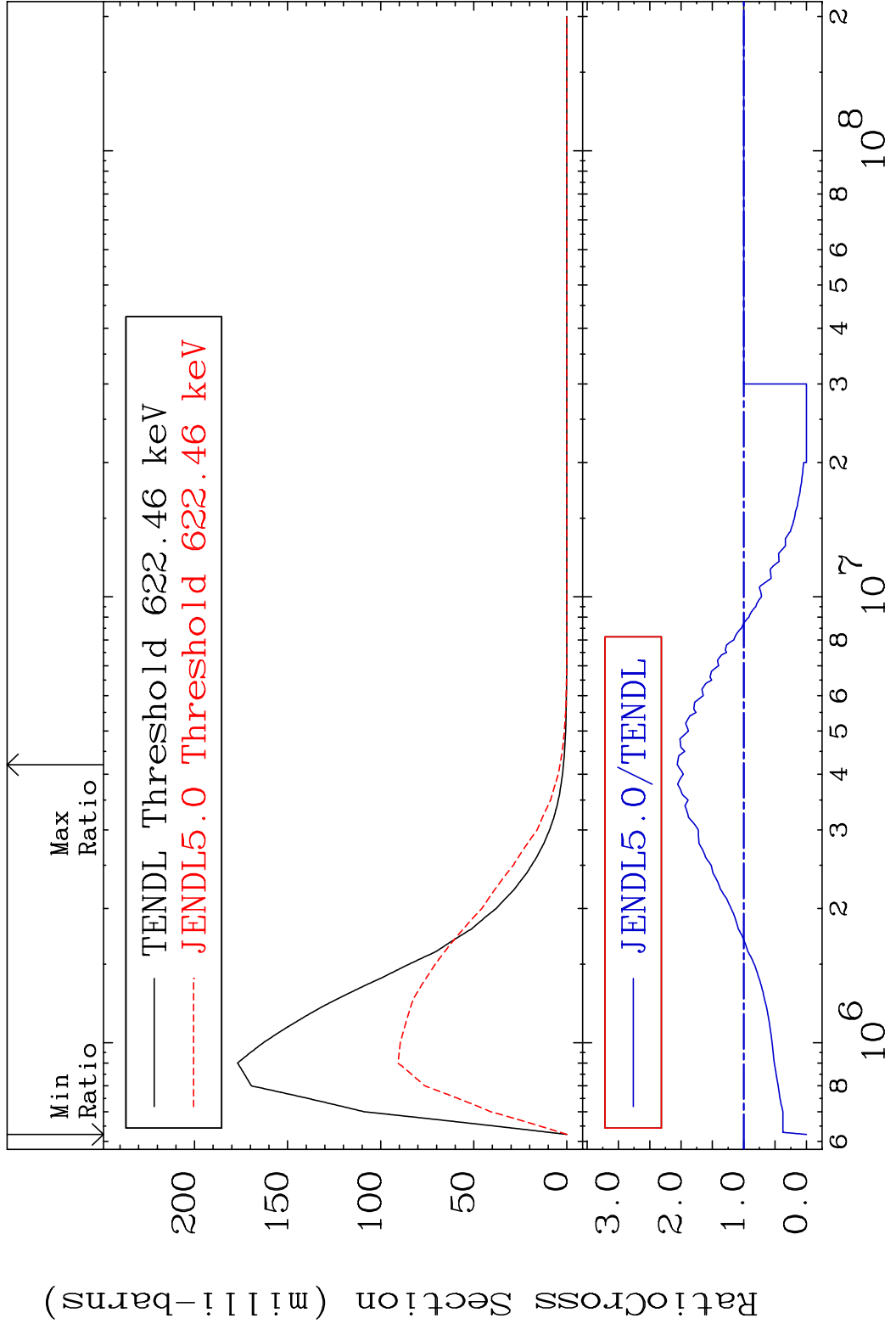


MAT 4440 MT= 59 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 184.4 %

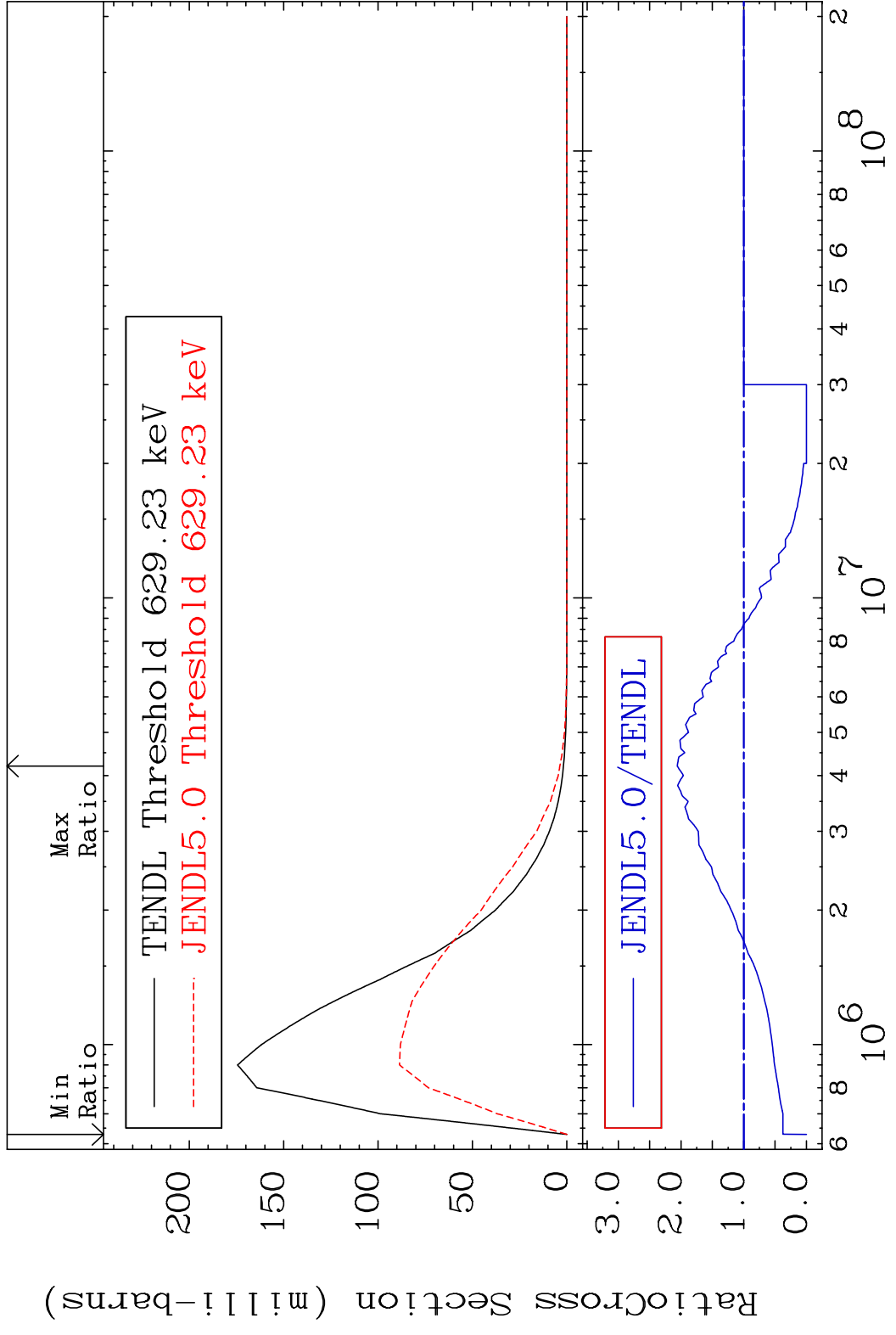


18 Incident Energy (eV) 44-Ru-101

MAT 4440 MT= 60 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 106.2 %

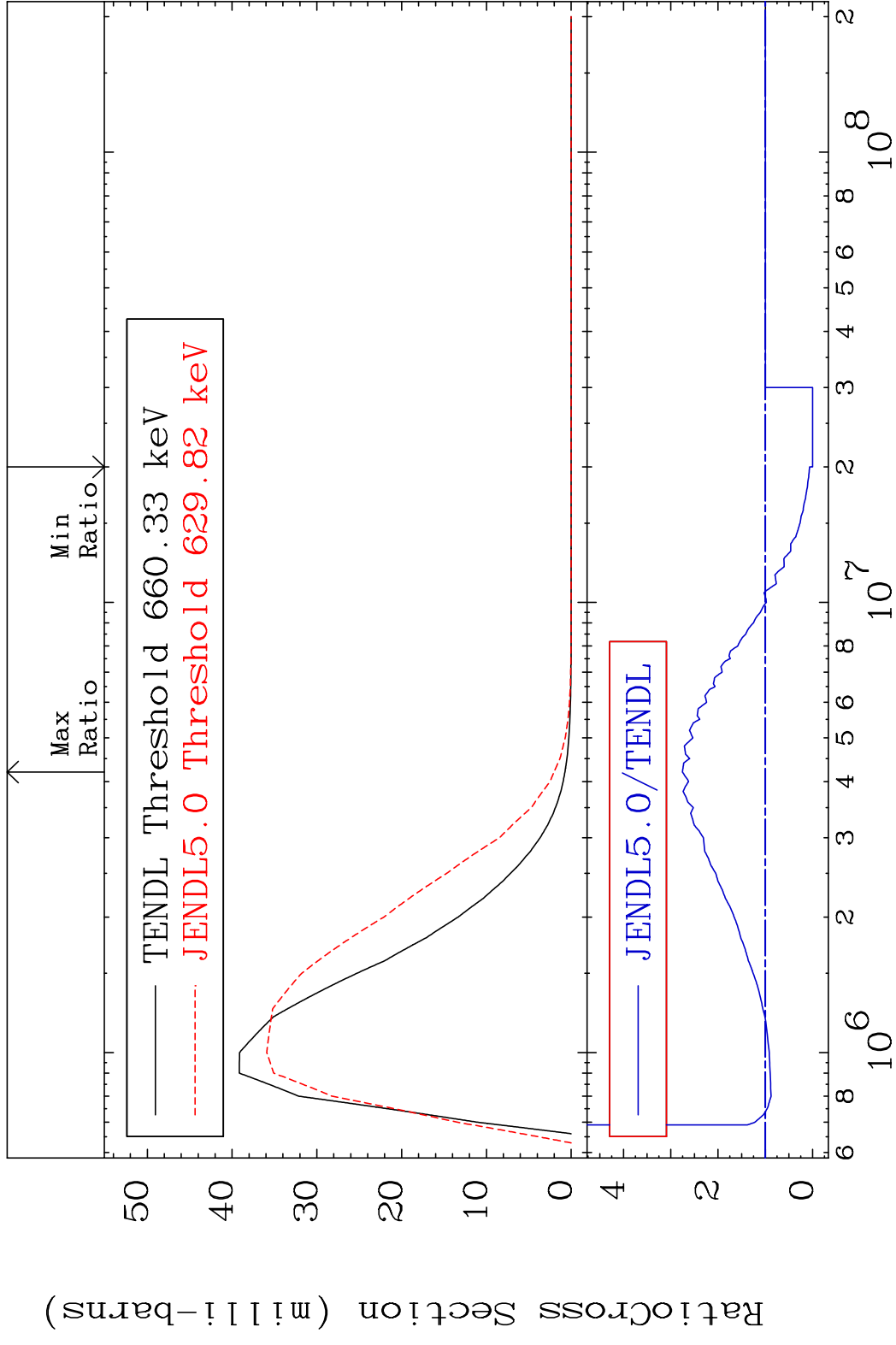


MAT 4440 MT= 61 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 106.2 %

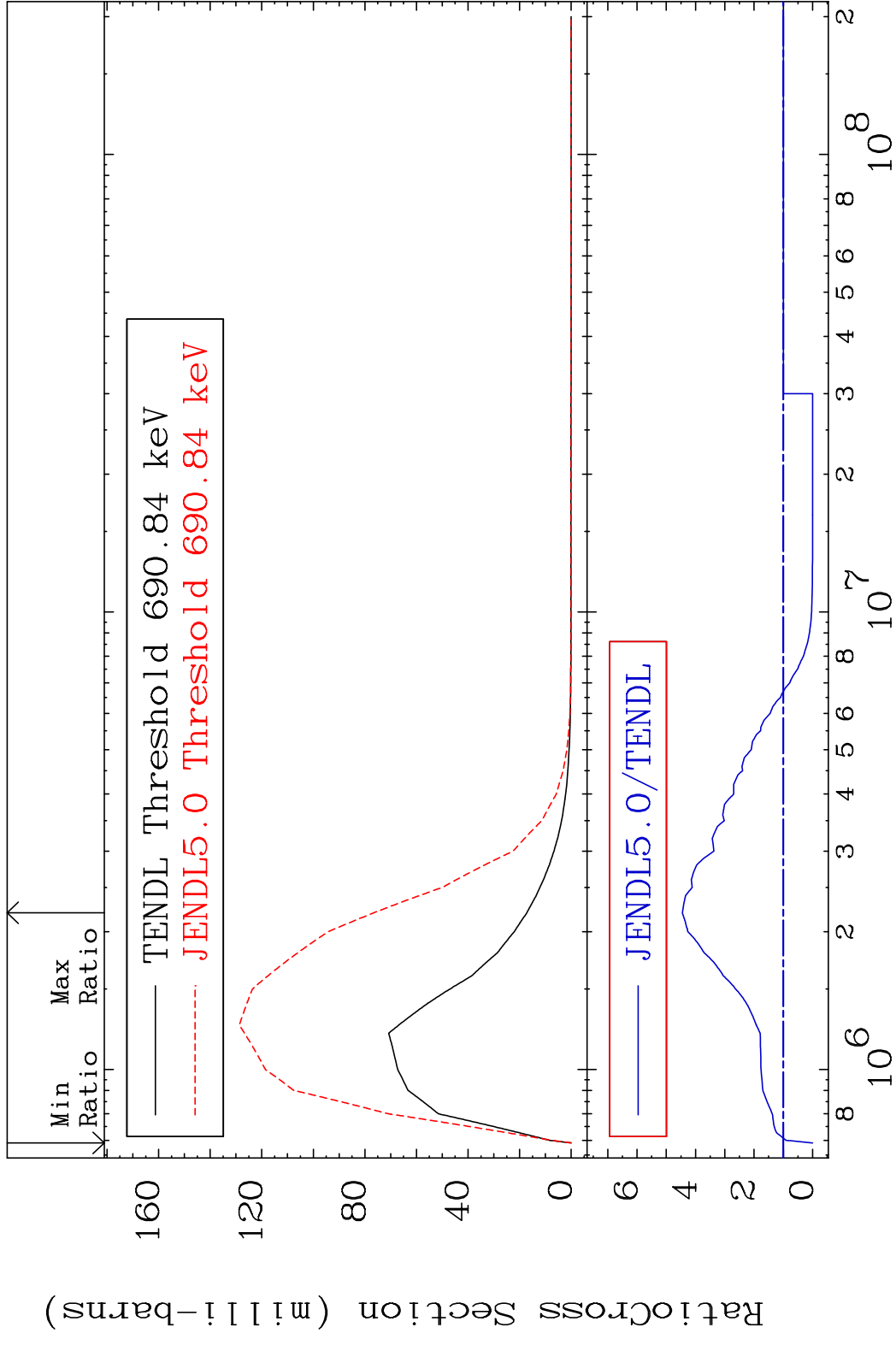


20 44-Ru-101

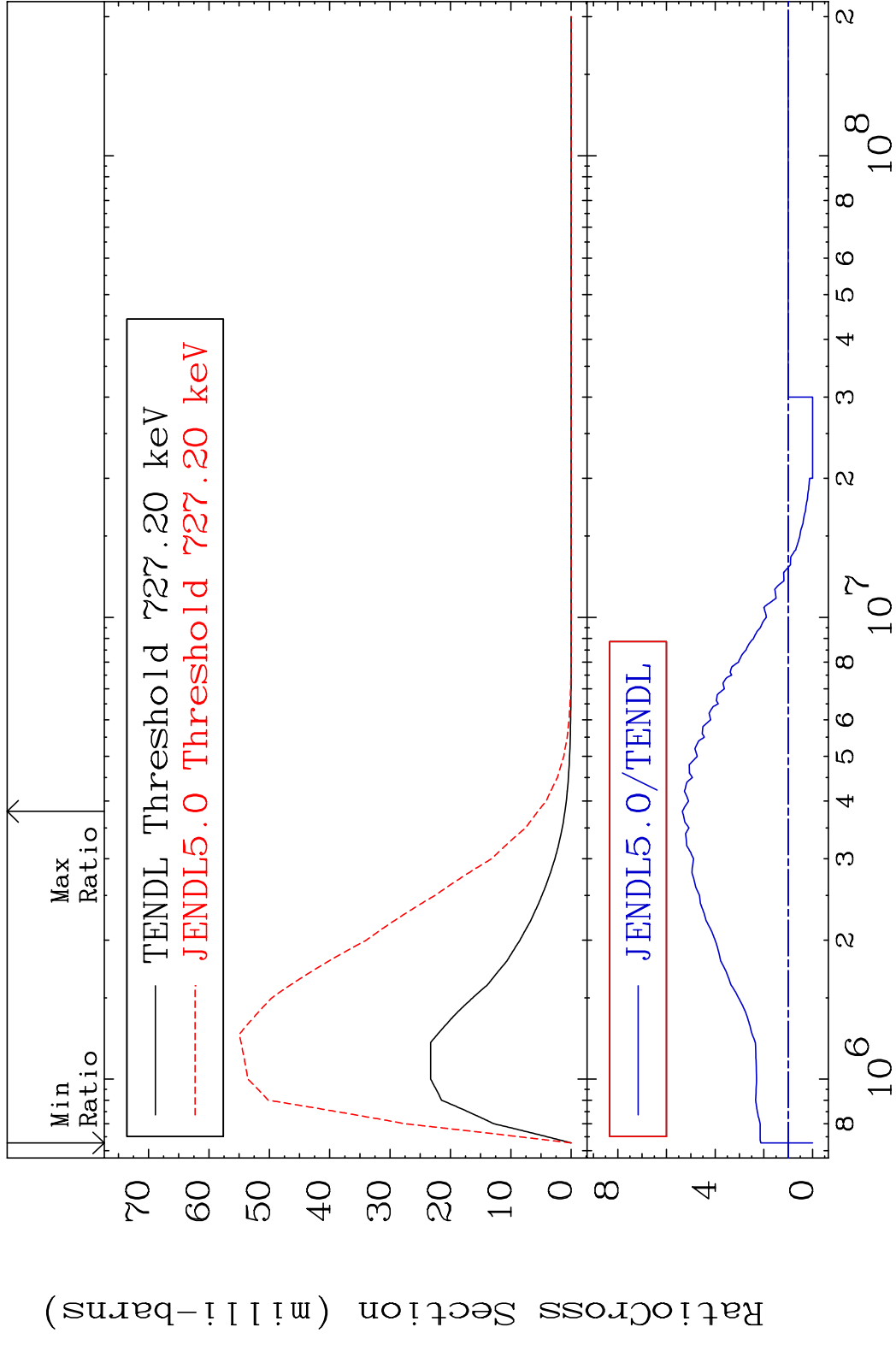
MAT 4440 MT= 62 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 175.5 %



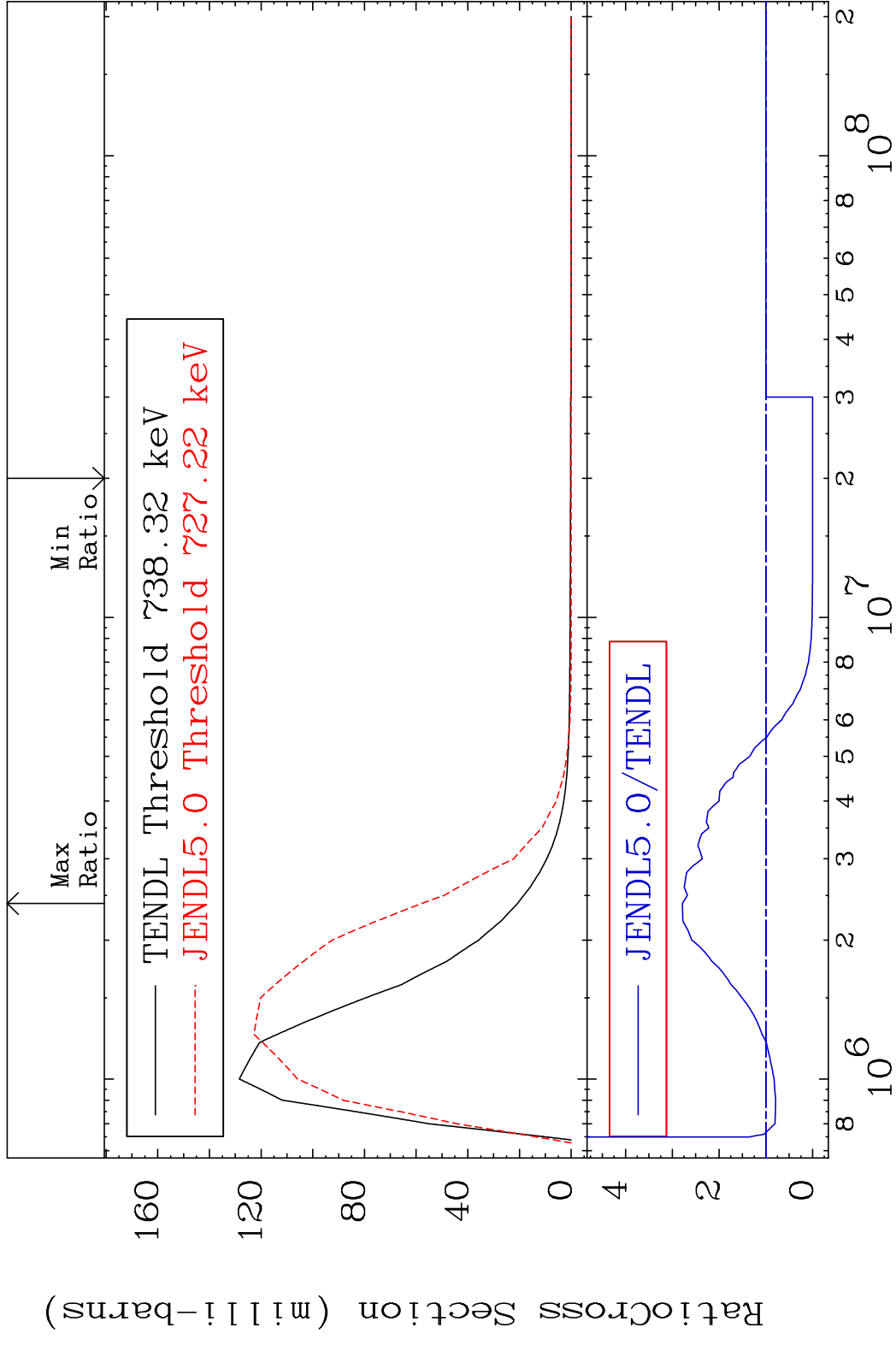
MAT 4440 MT= 63 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 345.1 %



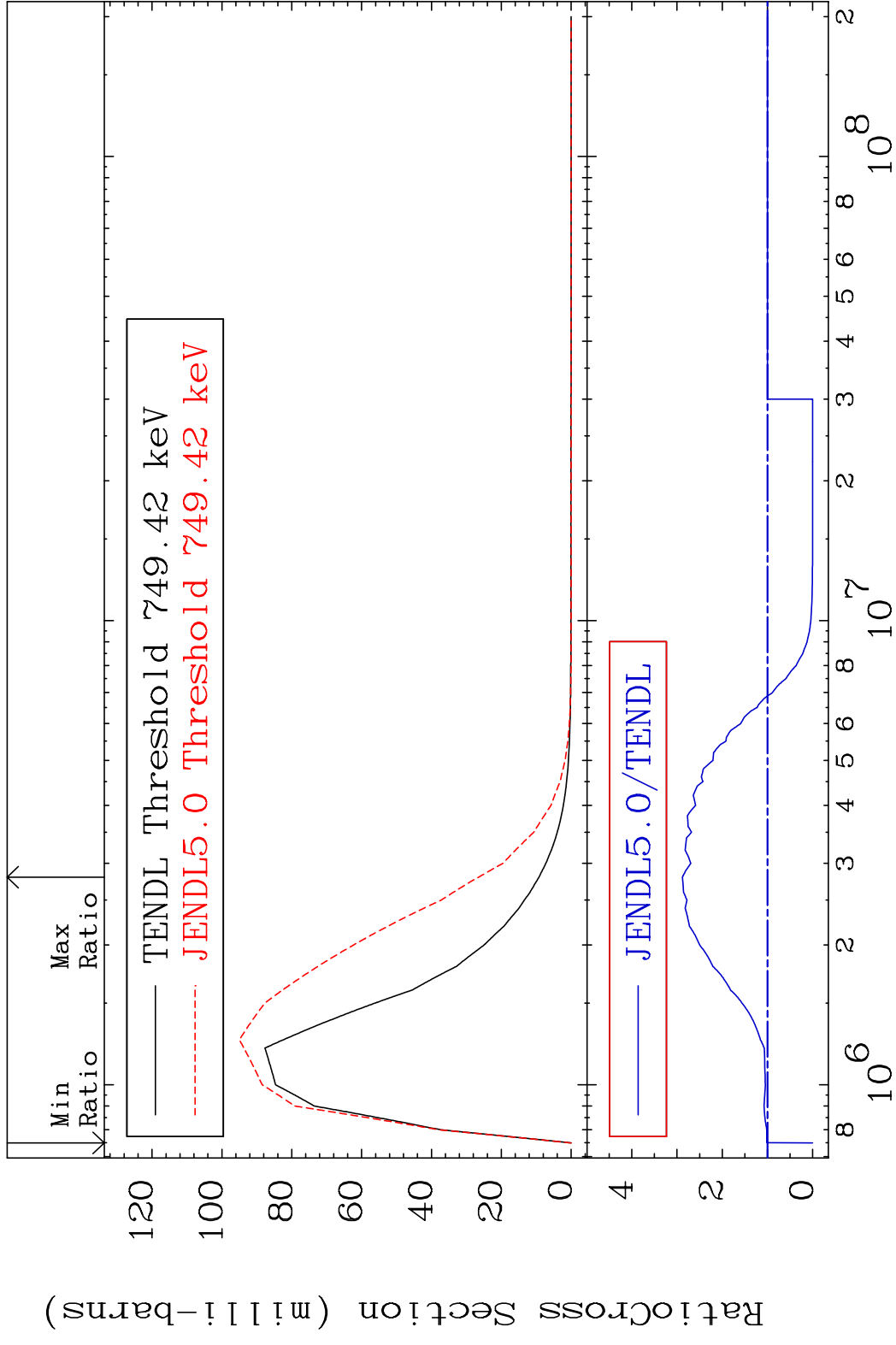
MAT 4440 MT= 64 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 434.7 %



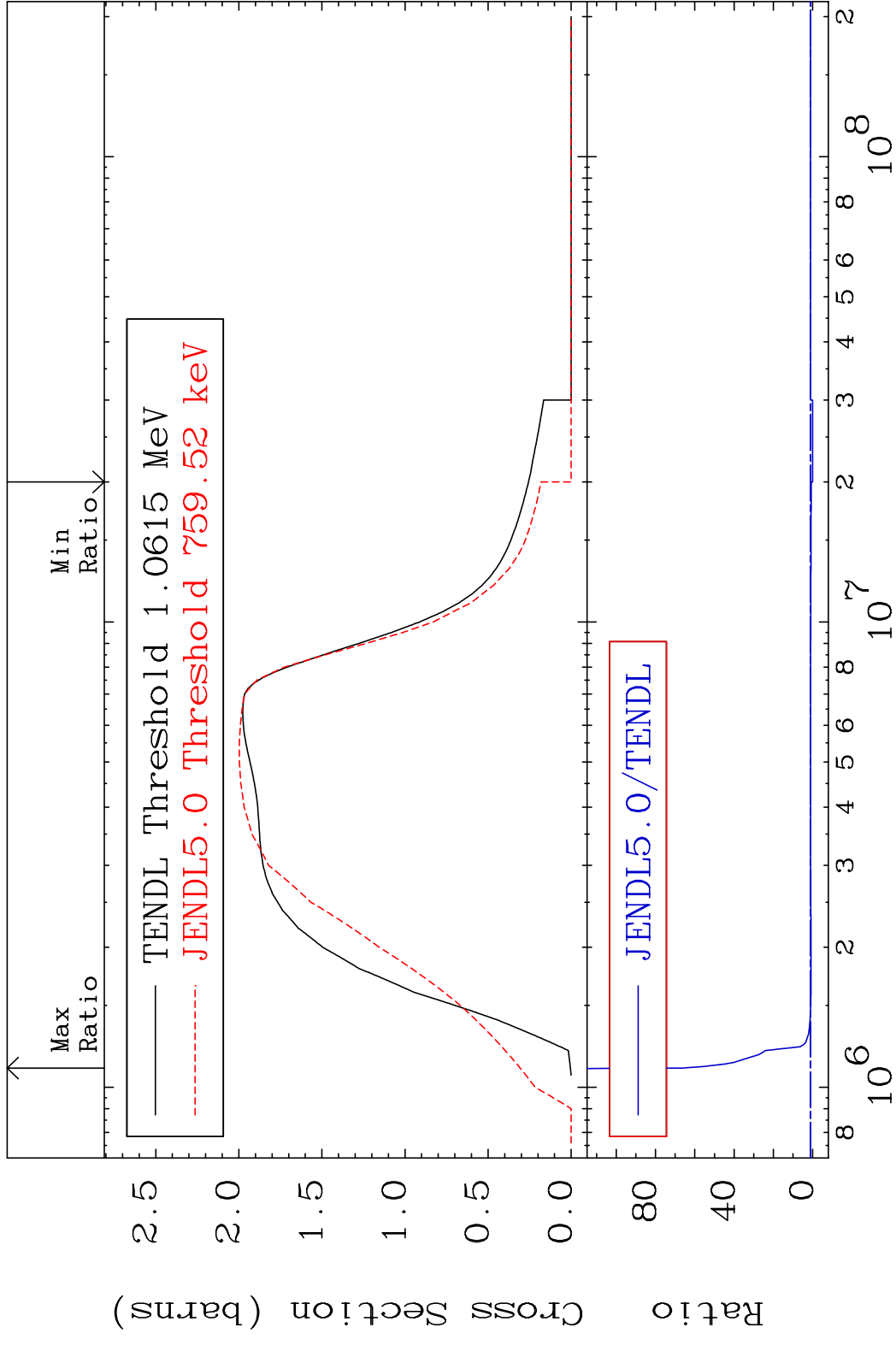
MAT 4440 MT= 65 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 178.6 %



MAT 4440 MT= 66 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 188.2 %



MAT 4440 (n,n') Continuum 44-Ru-101
 Cross Section -100.0 To 6535. %

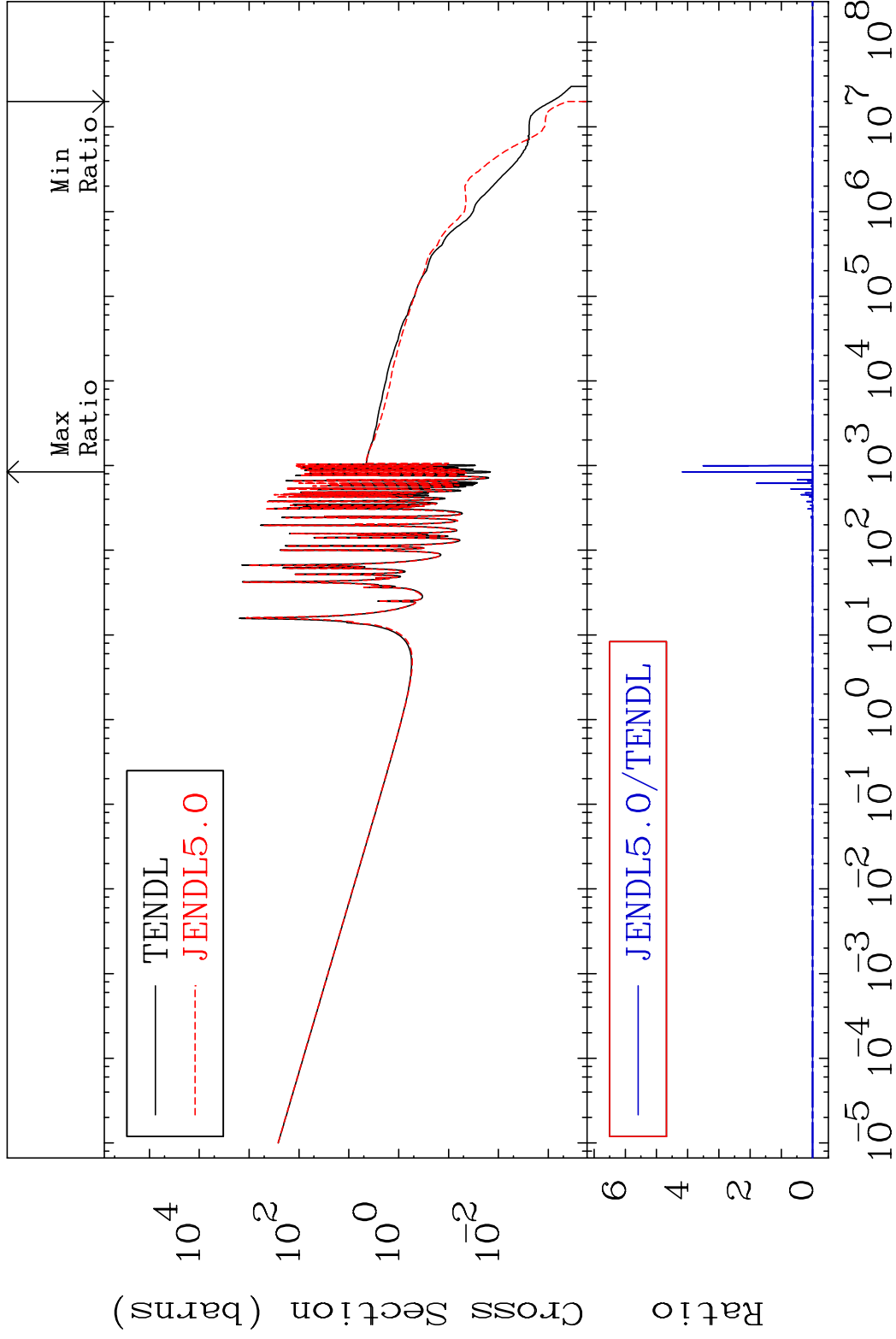


MAT 4440

(n, γ)

44-Ru-101

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

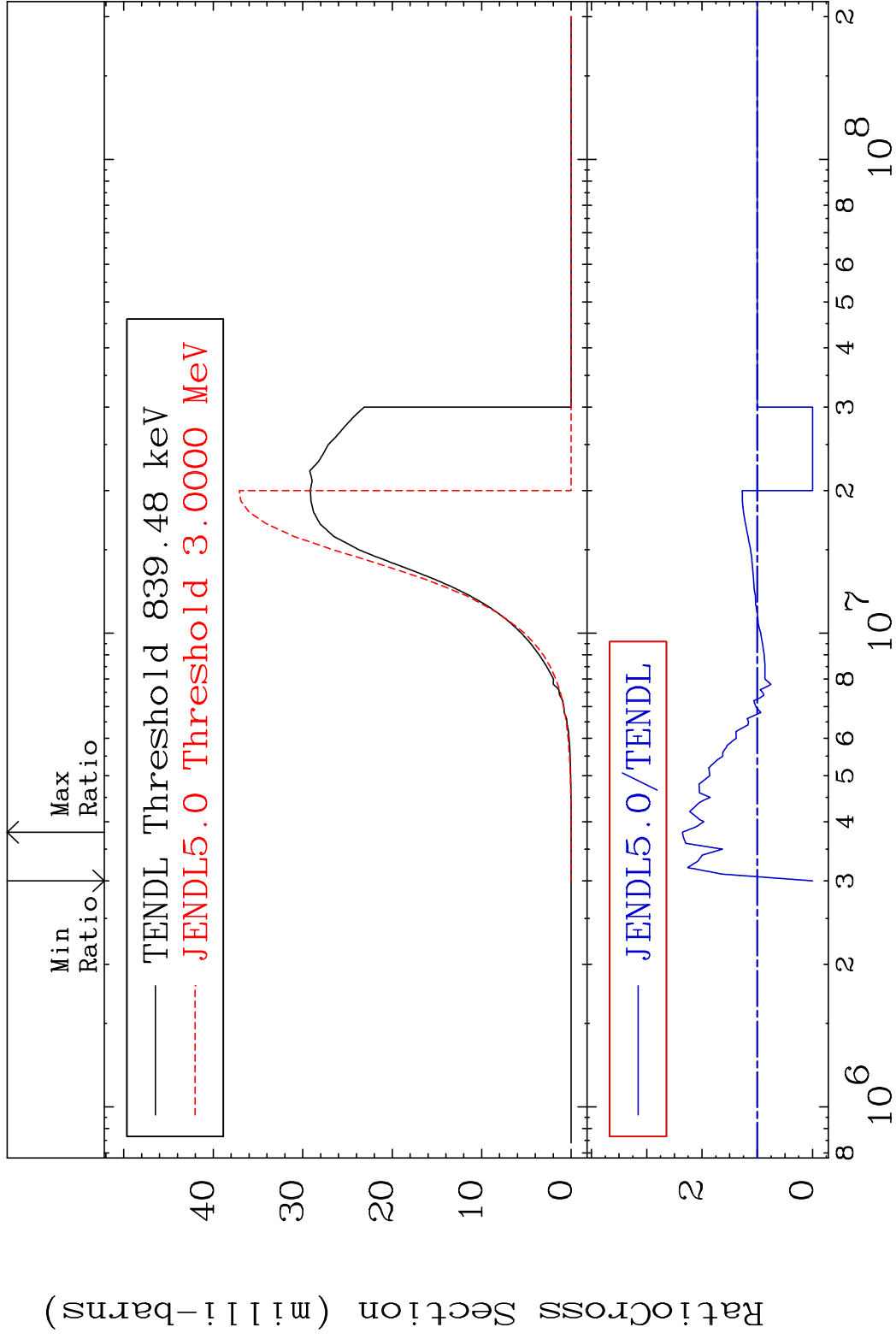
44-Ru-101

MAT 4440

(n, p)

44-Ru-101

Cross Section -100.0 To 135.6 %

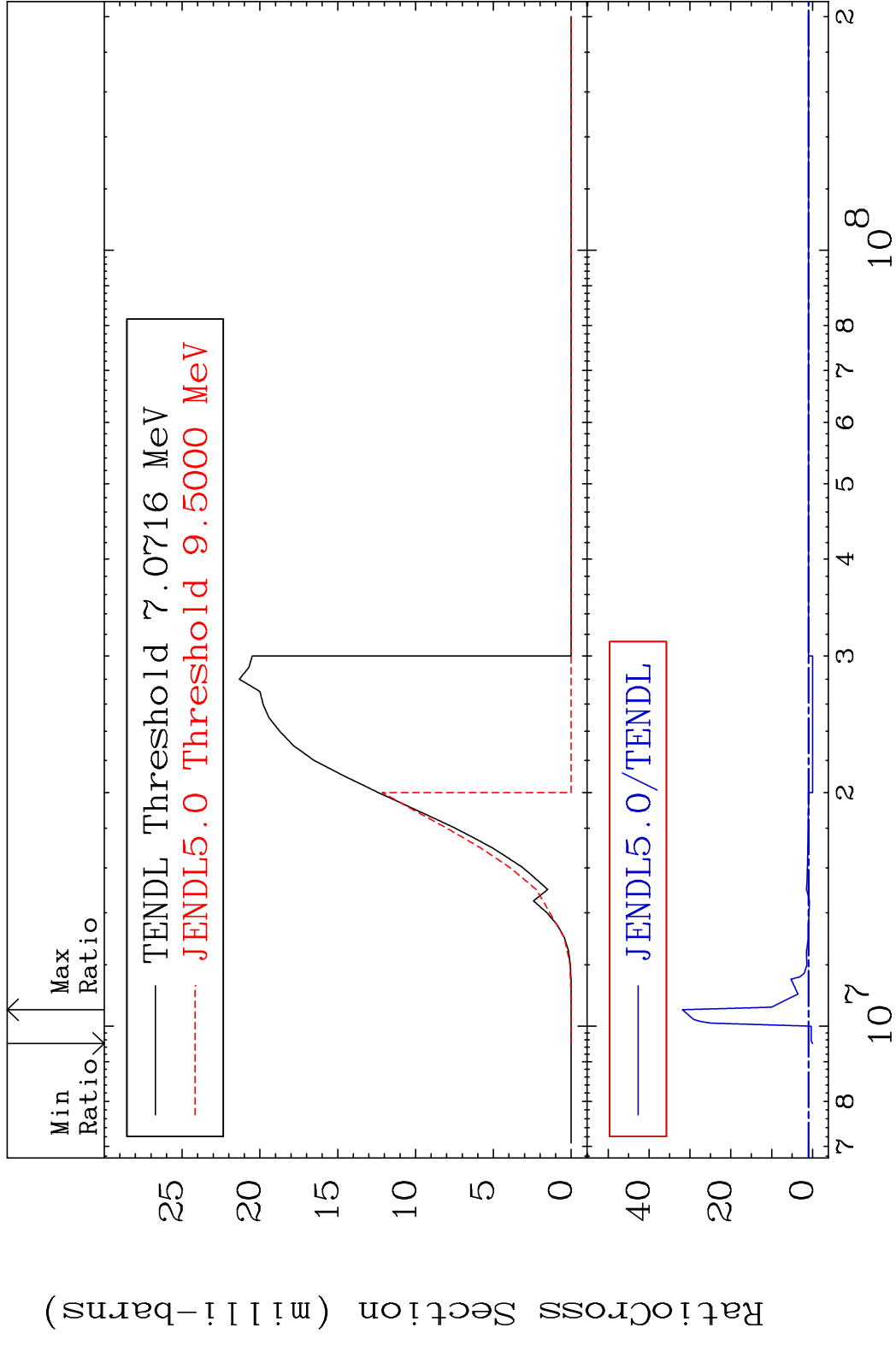


28

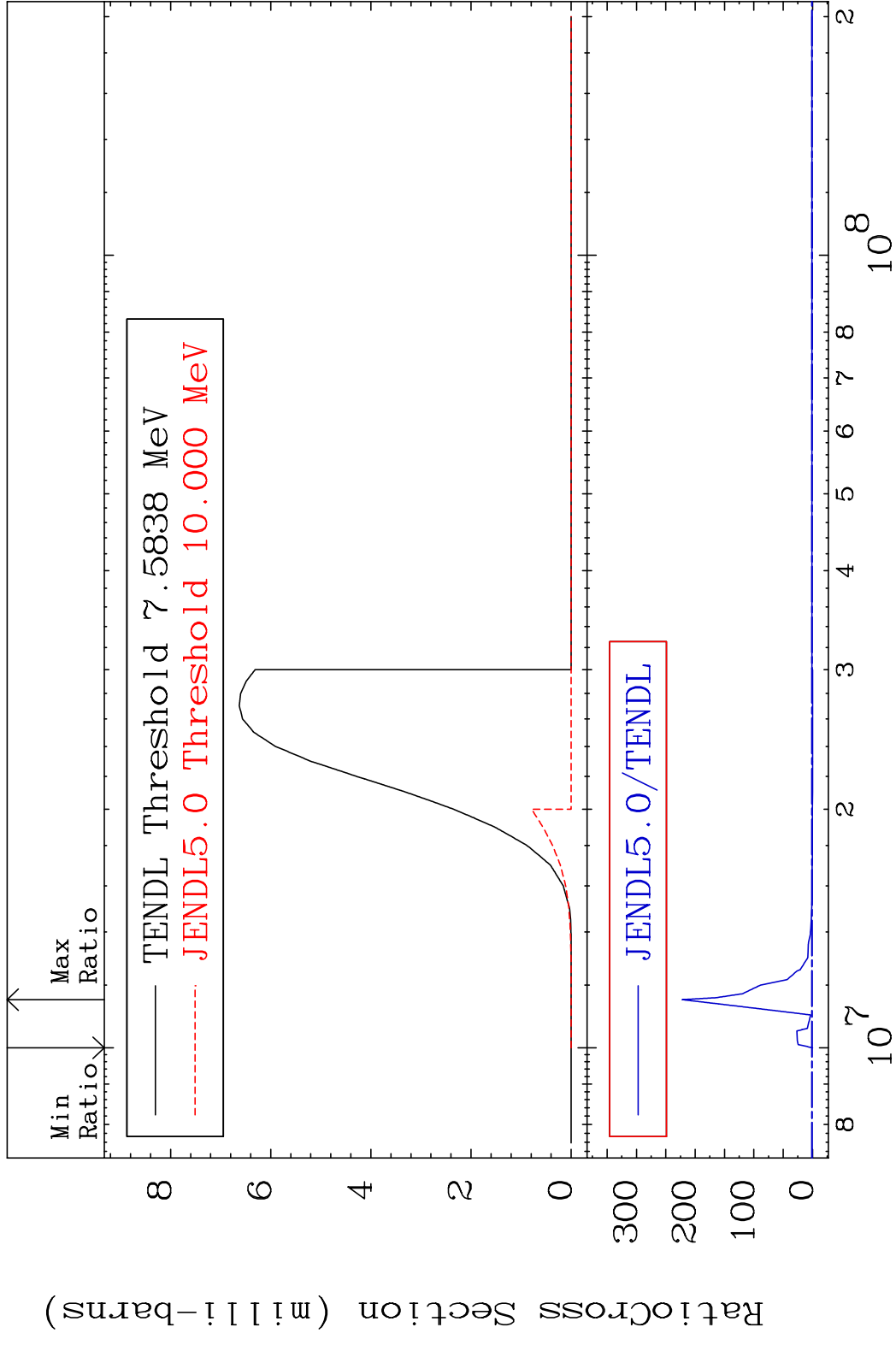
Incident Energy (eV)

44-Ru-101

MAT 4440 (n,d) 44-Ru-101
 Cross Section -100.0 To 3086. %



MAT 4440 (n, t) 44-Ru-101
 Cross Section -100.0 To 9999. %



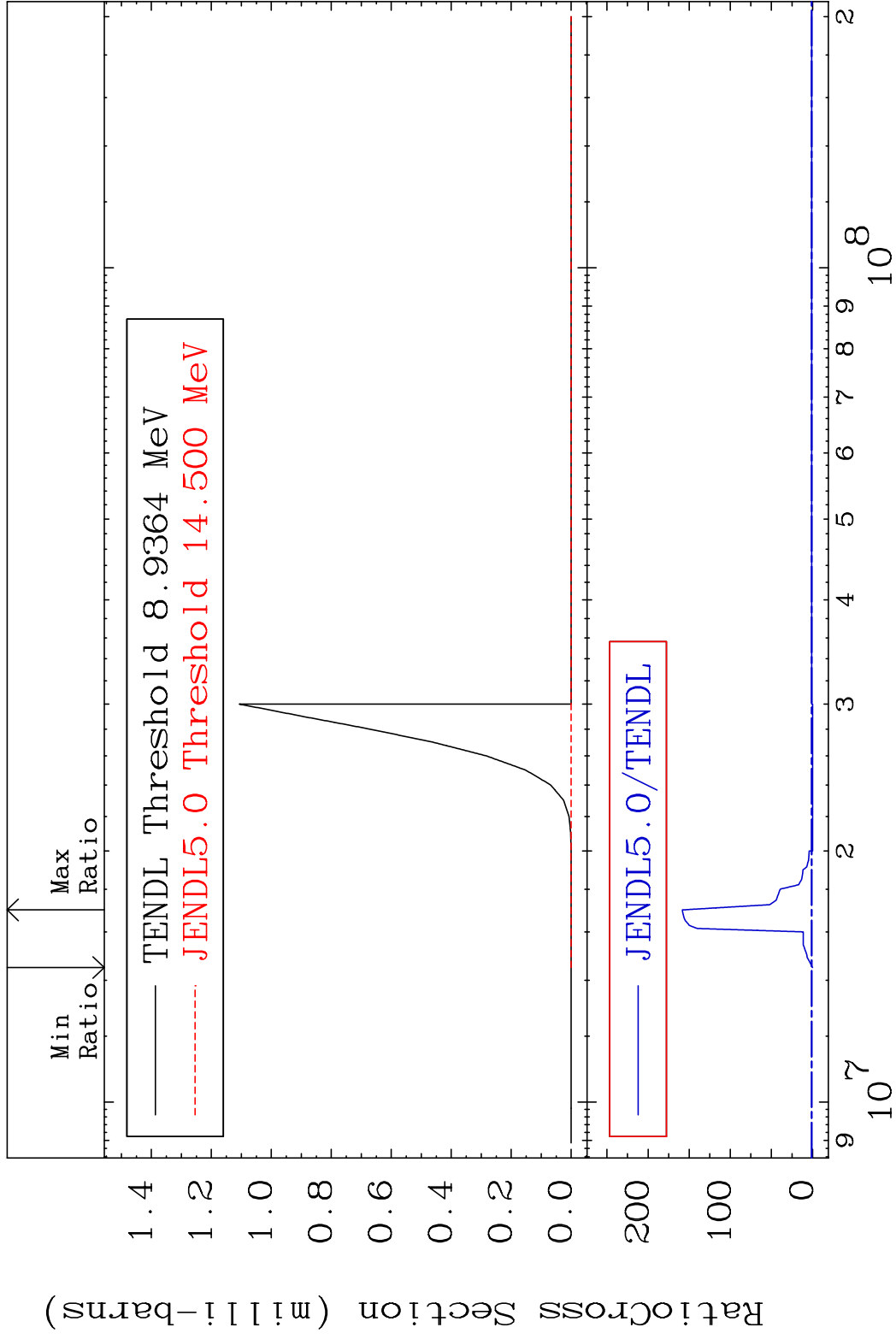
30 Incident Energy (eV) 44-Ru-101

MAT 4440

(n, He-3)

44-Ru-101

Cross Section -100.0 To 9999. %

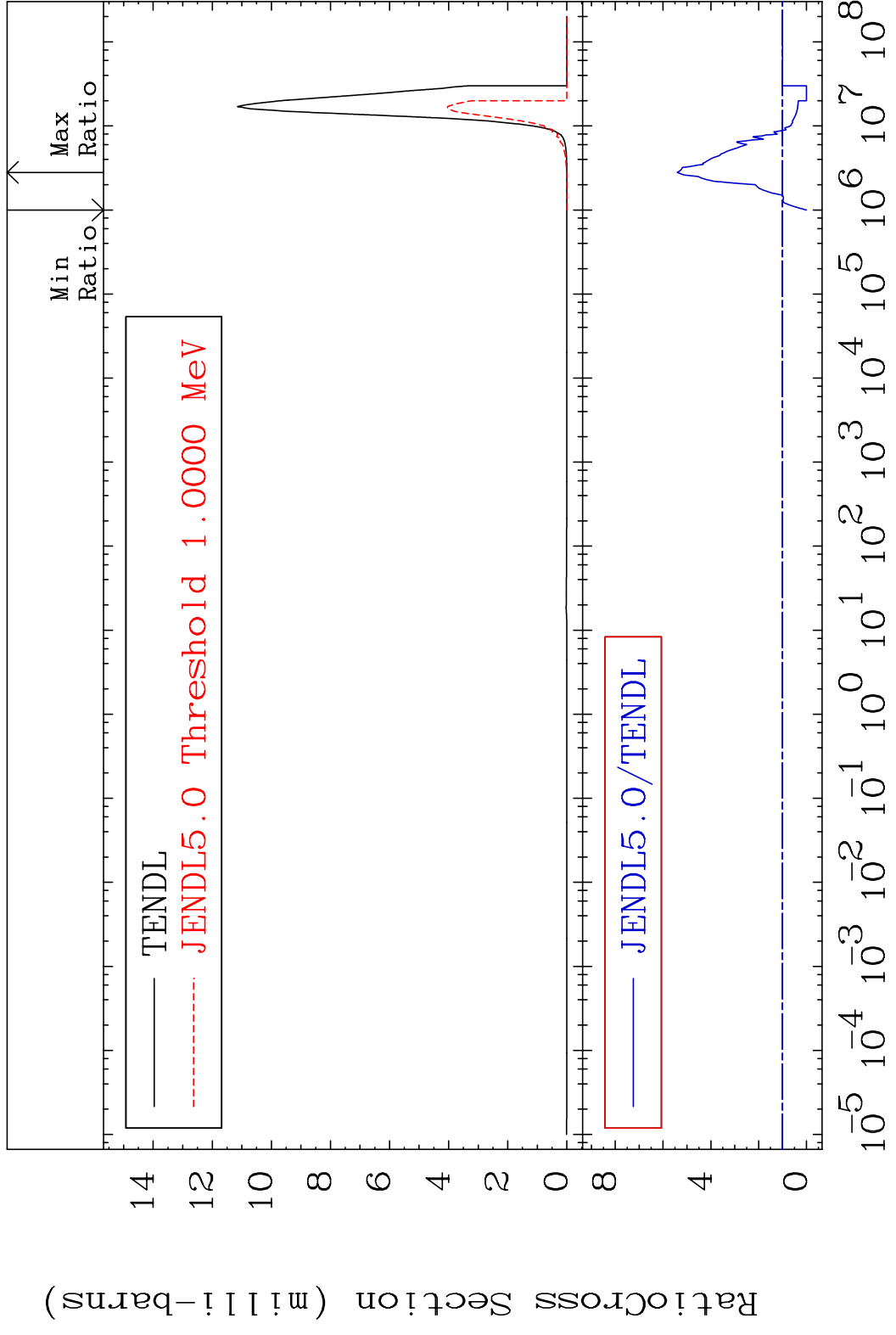


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Incident Energy (eV)

44-Ru-101

MAT 4440 (n, α) 44-Ru-101
 Cross Section -100.0 To 440.9 %

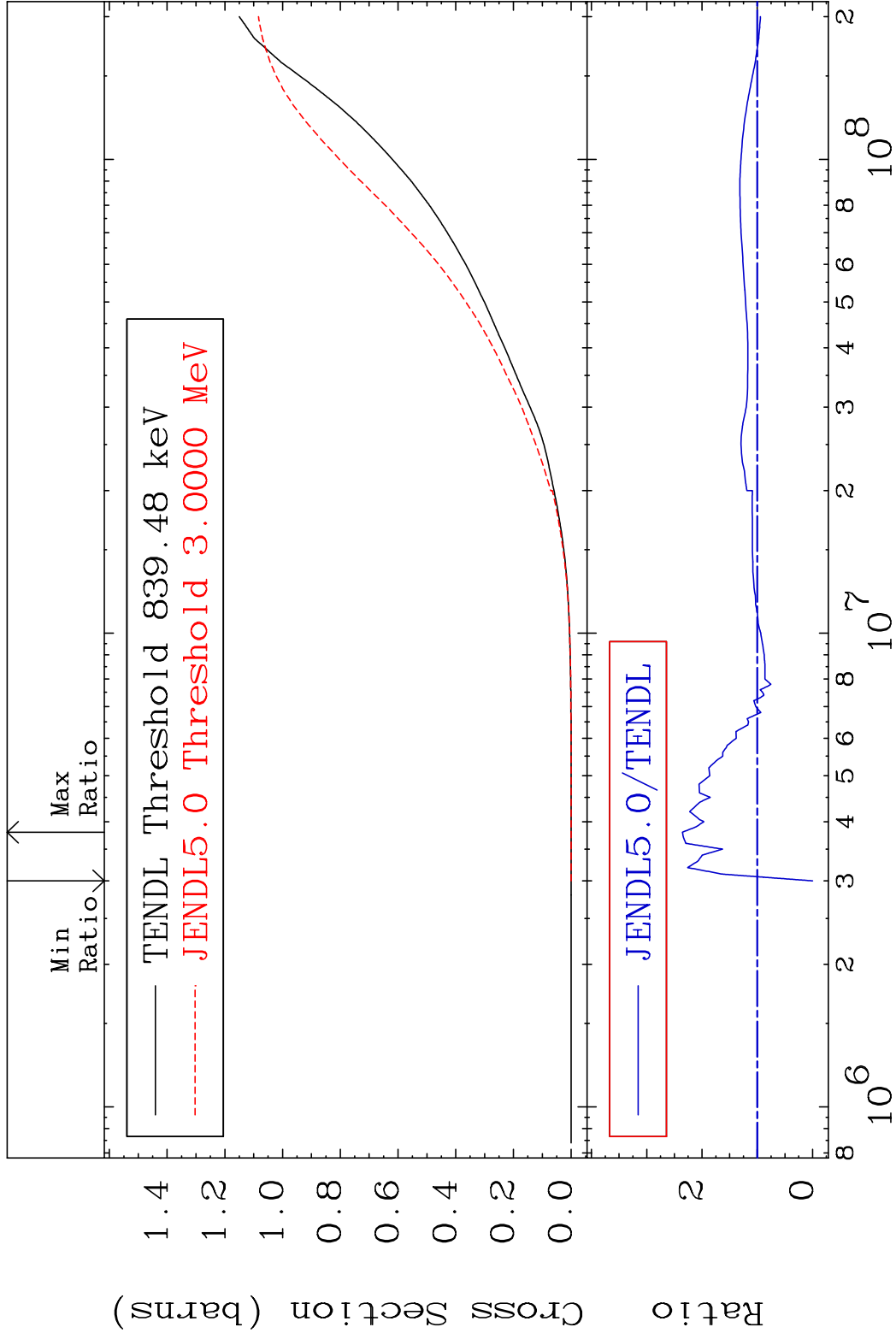


MAT 4440

Hydrogen Production

44-Ru-101

Cross Section -100.0 To 135.6 %

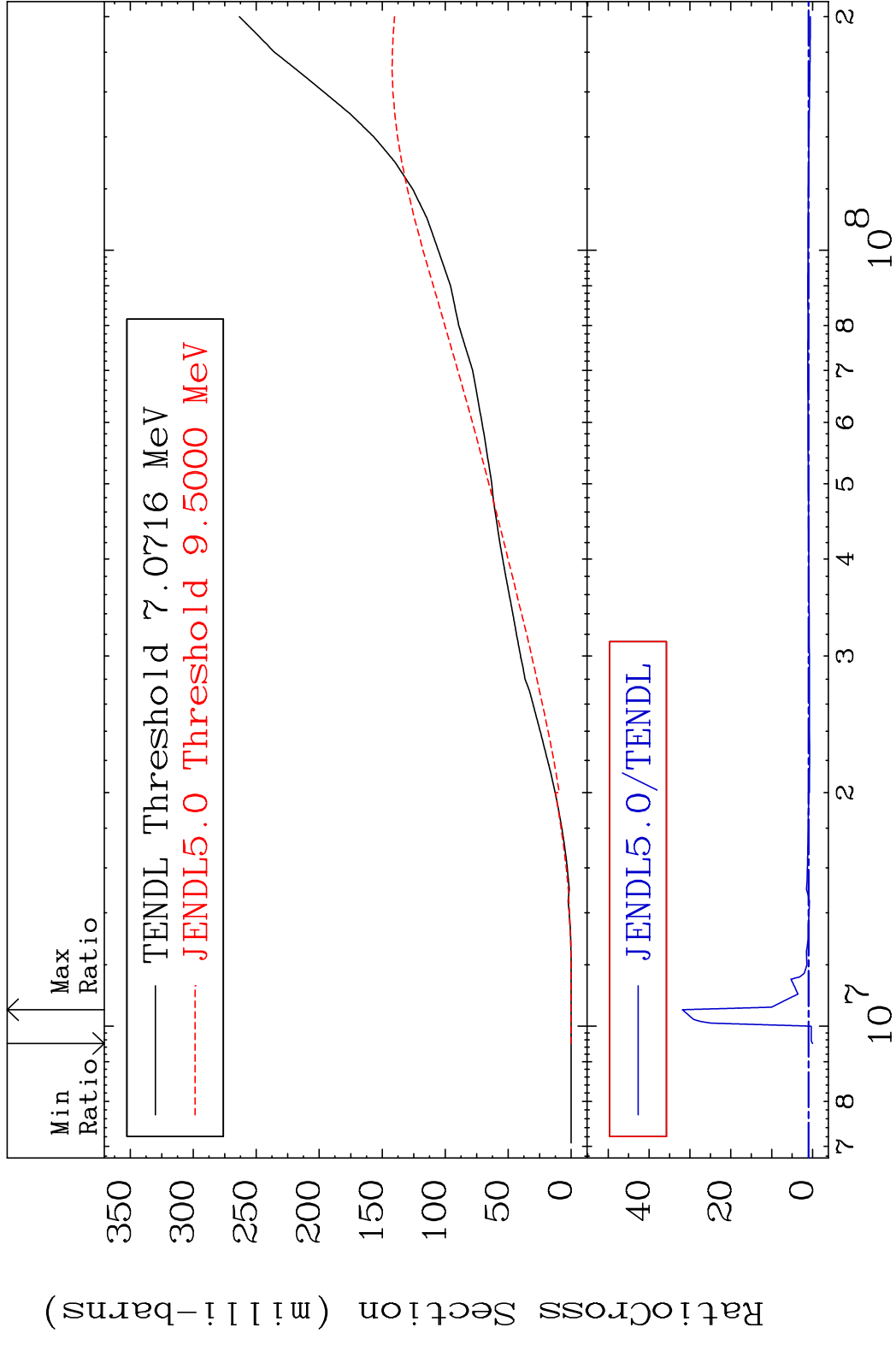


33

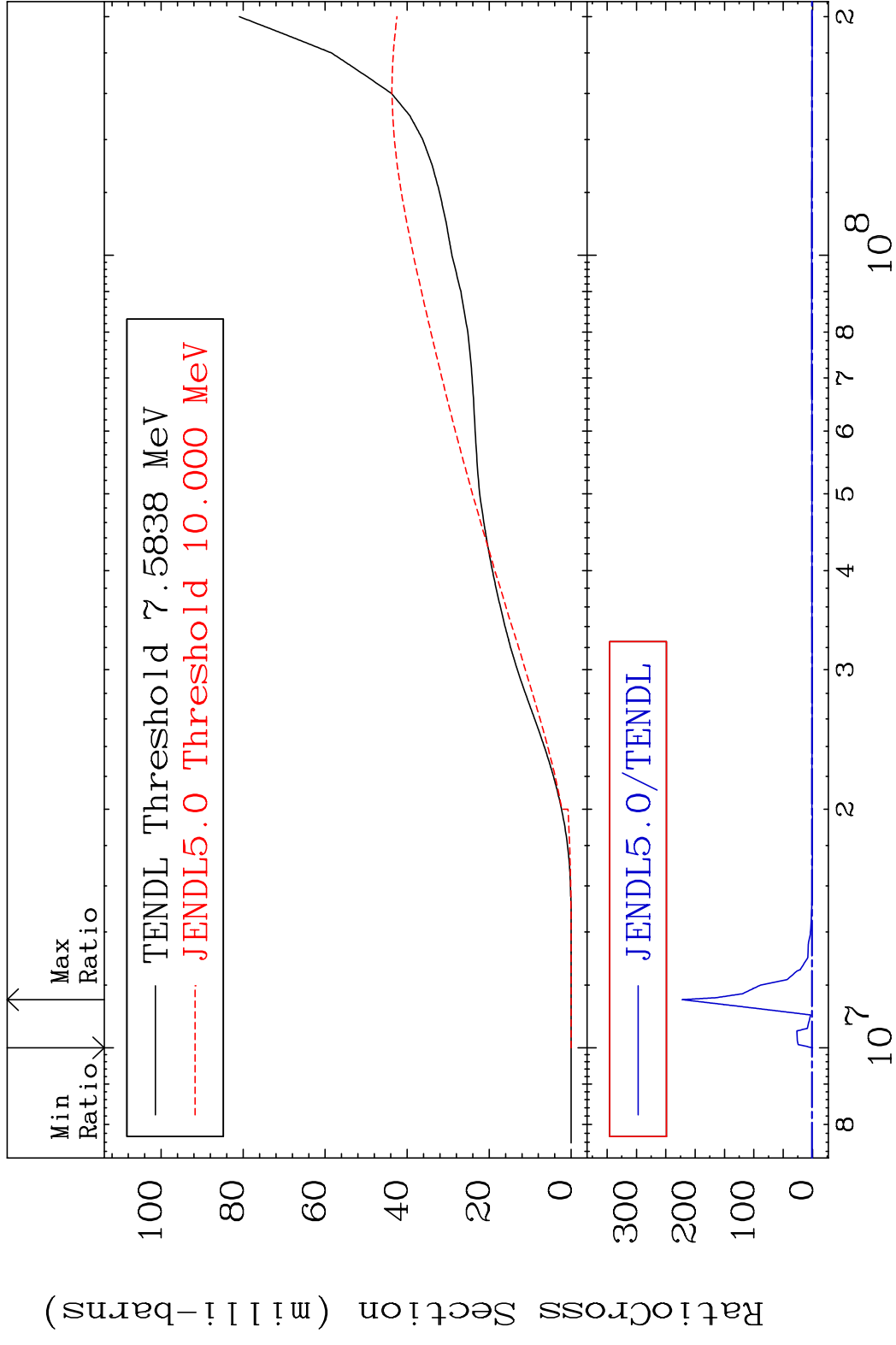
Incident Energy (eV)

44-Ru-101

MAT 4440 Deuterium Production 44-Ru-101
 Cross Section -100.0 To 3086. %



MAT 4440 Tritium Production 44-Ru-101
 Cross Section -100.0 To 9999. %

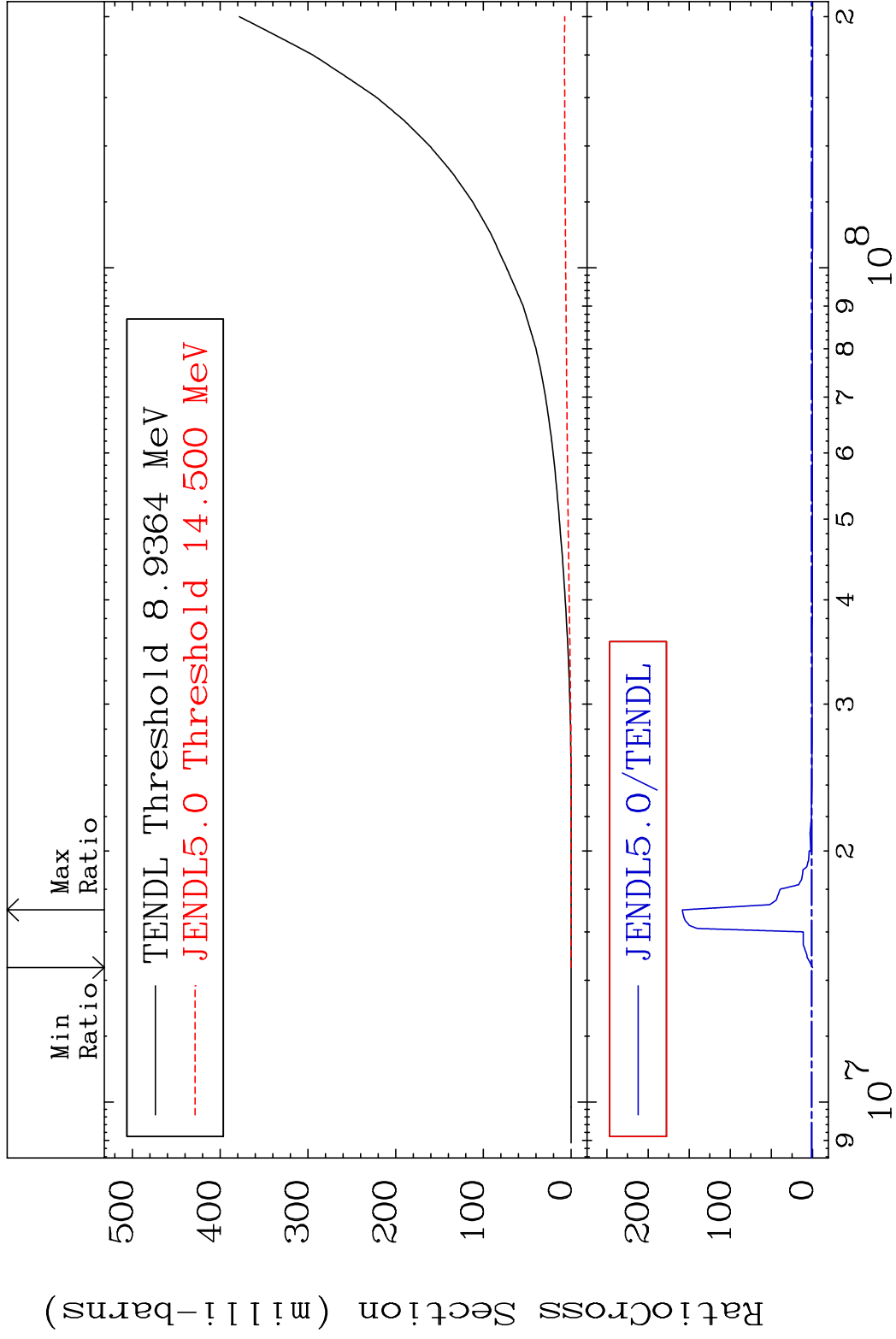


MAT 4440

He-3 Production

44-Ru-101

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

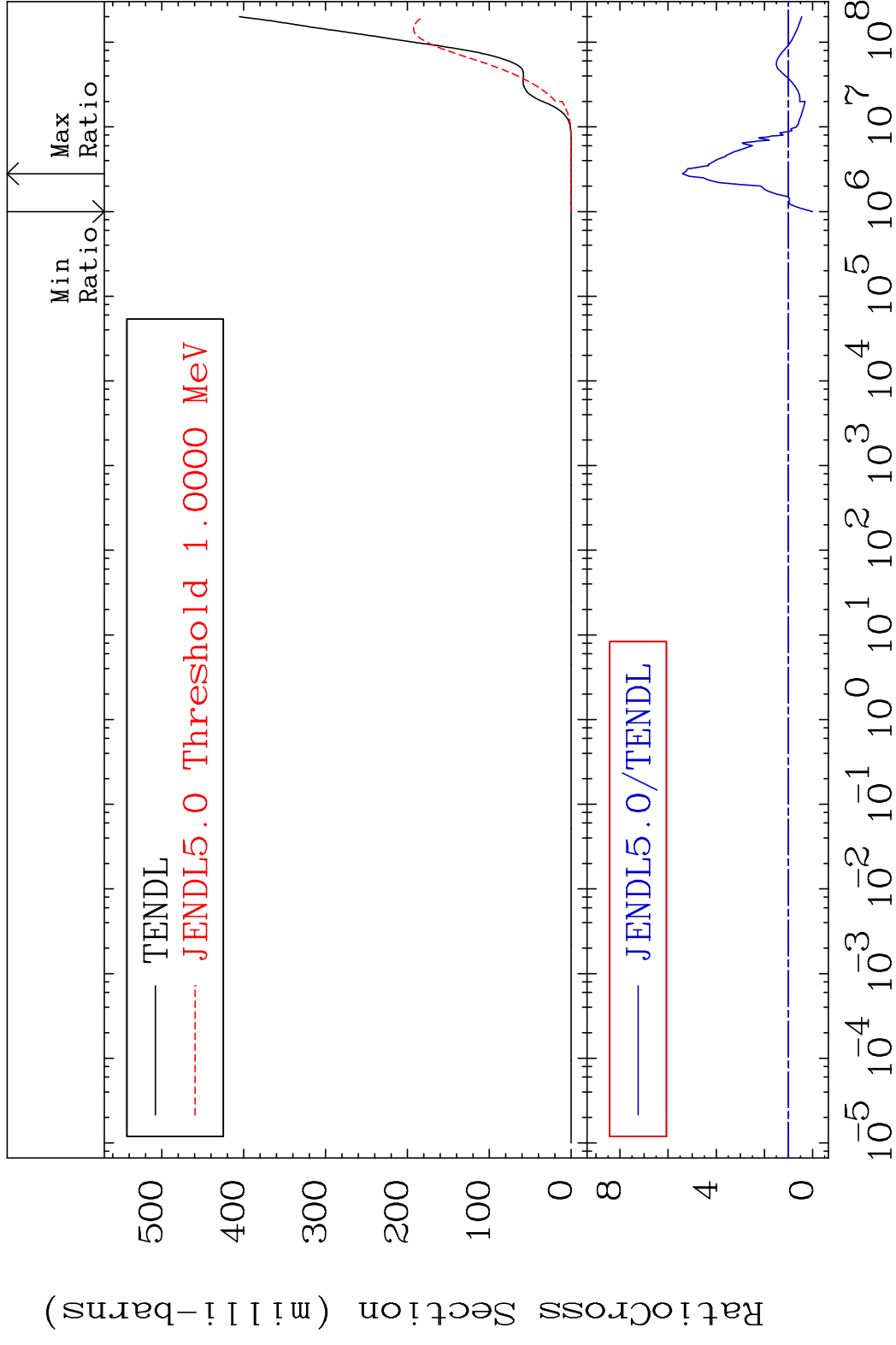
44-Ru-101

MAT 4440

He-4 Production

44-Ru-101

Cross Section -100.0 To 440.9 %

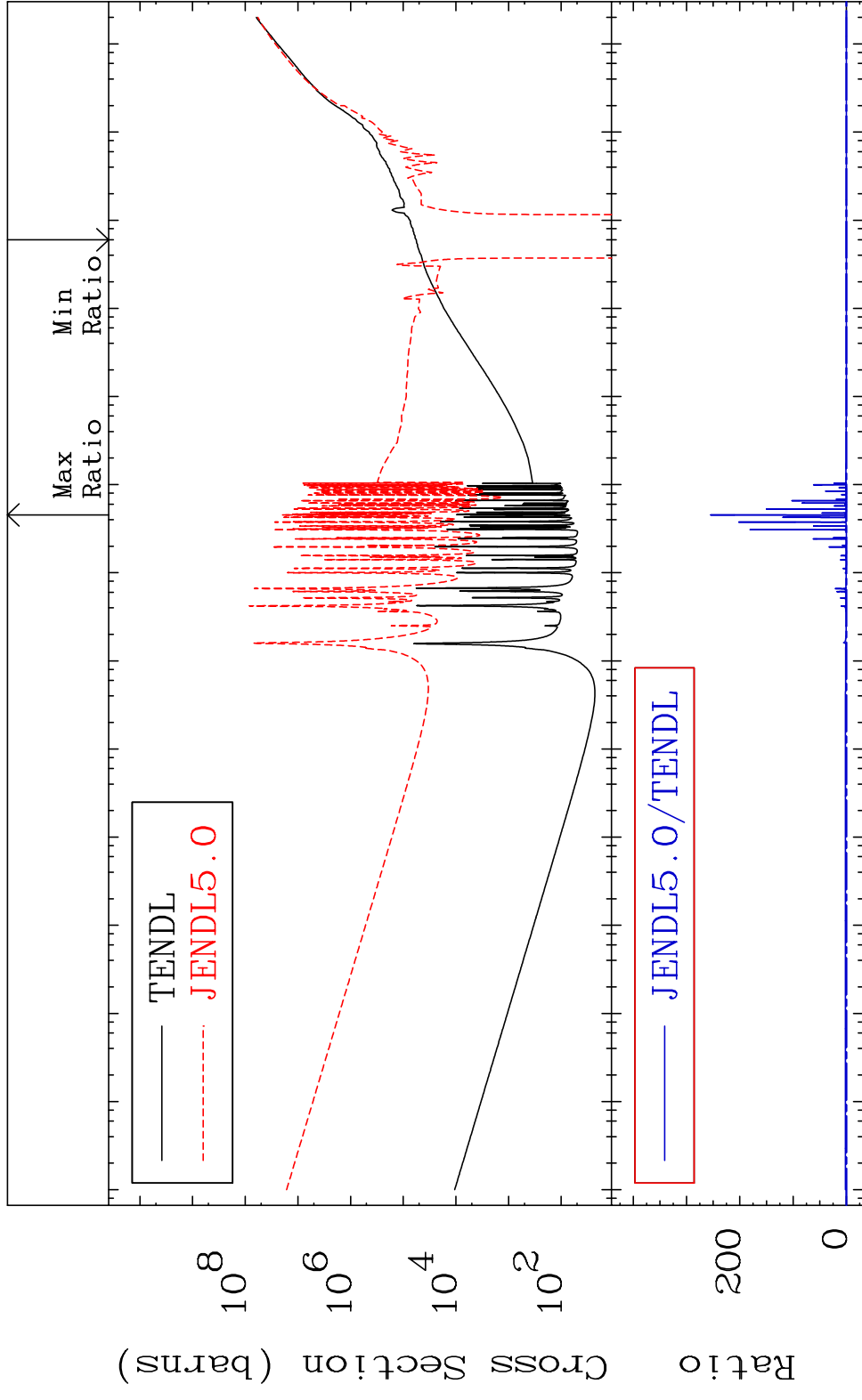


37

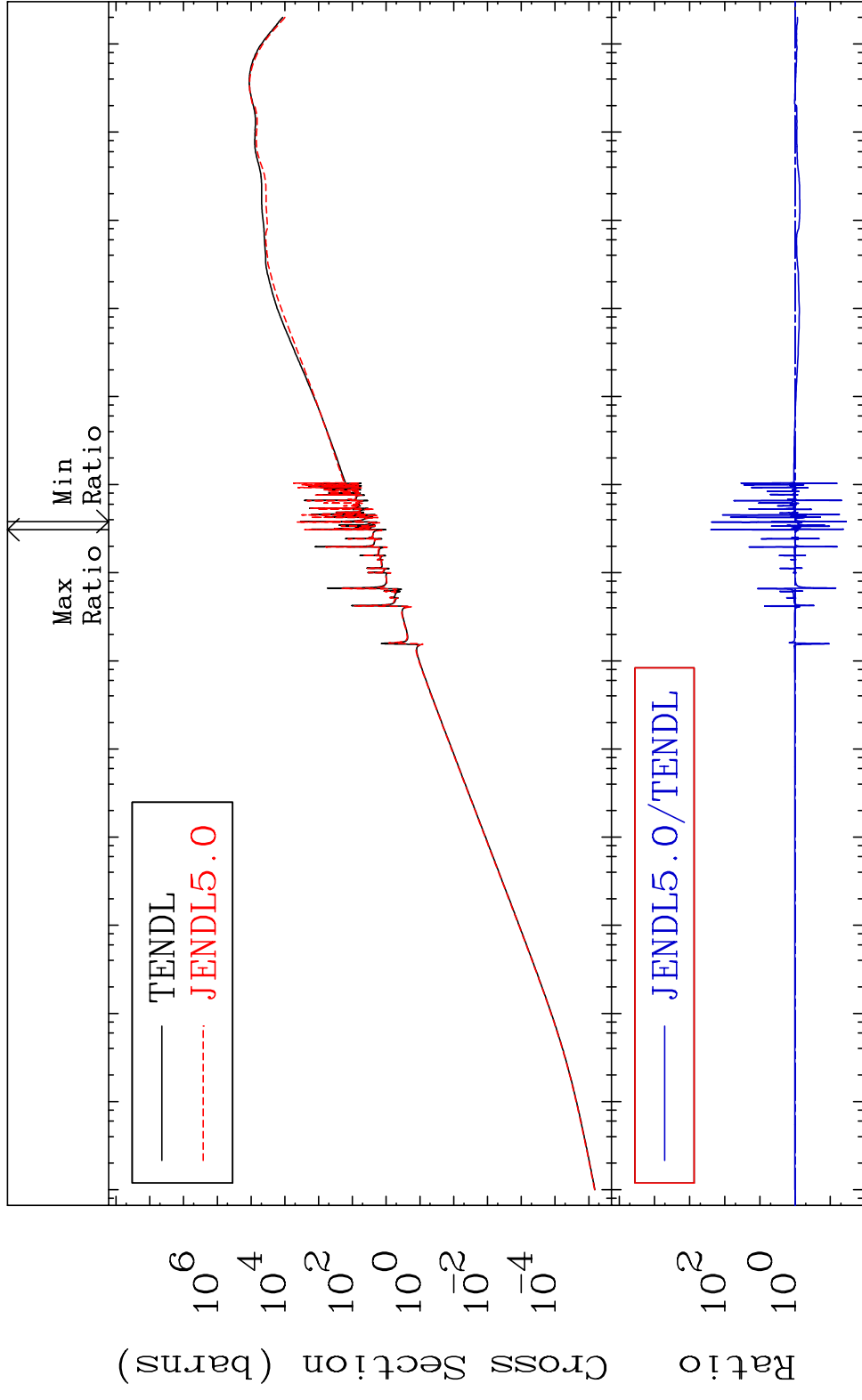
Incident Energy (eV)

44-Ru-101

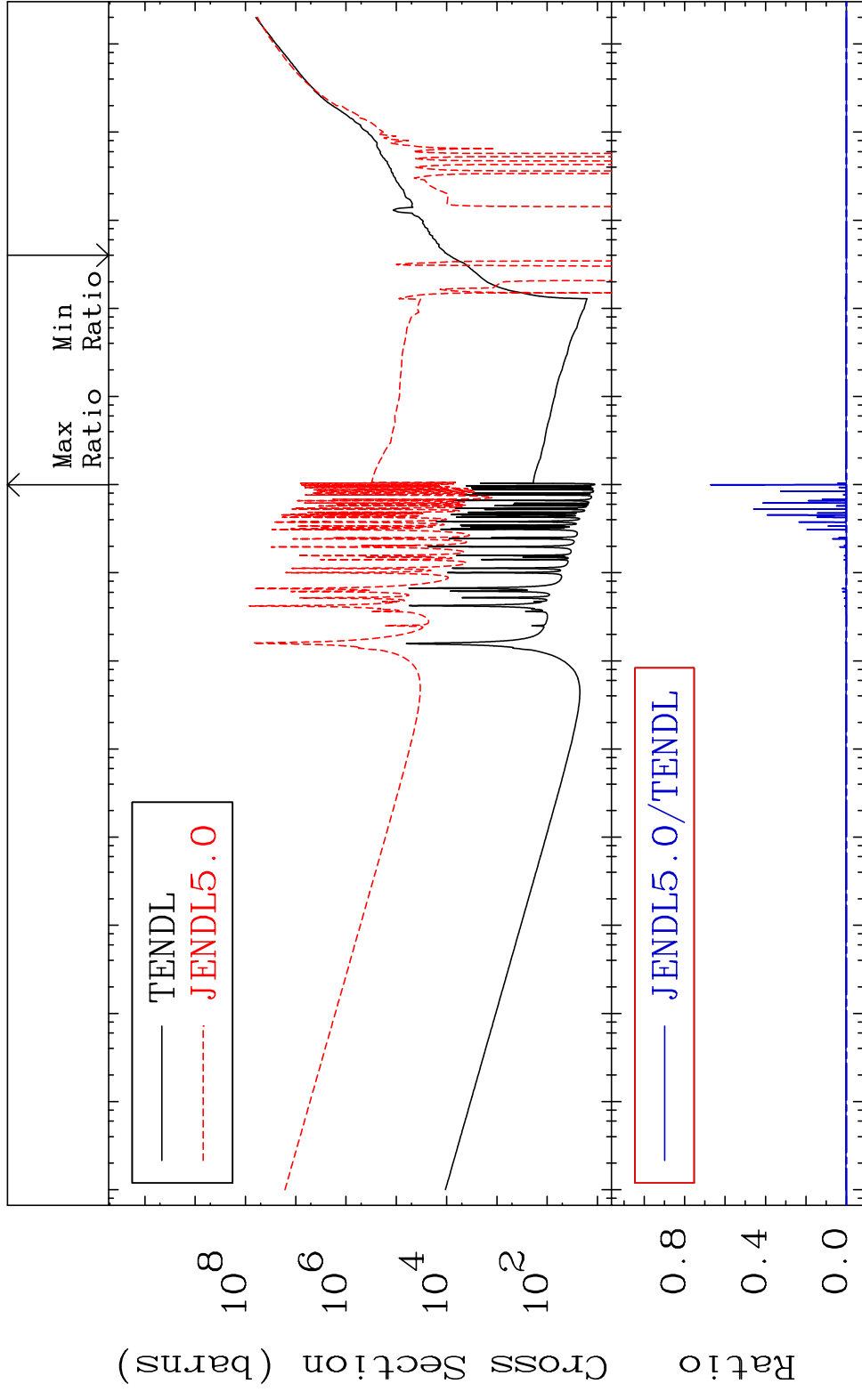
MAT 4440 Kerma total (eV-barns) 44-Ru-101
 Cross Section -201.2 To 9999. %



MAT 4440 Kerma elastic 44-Ru-101
 Cross Section -96.50 To 9999. %

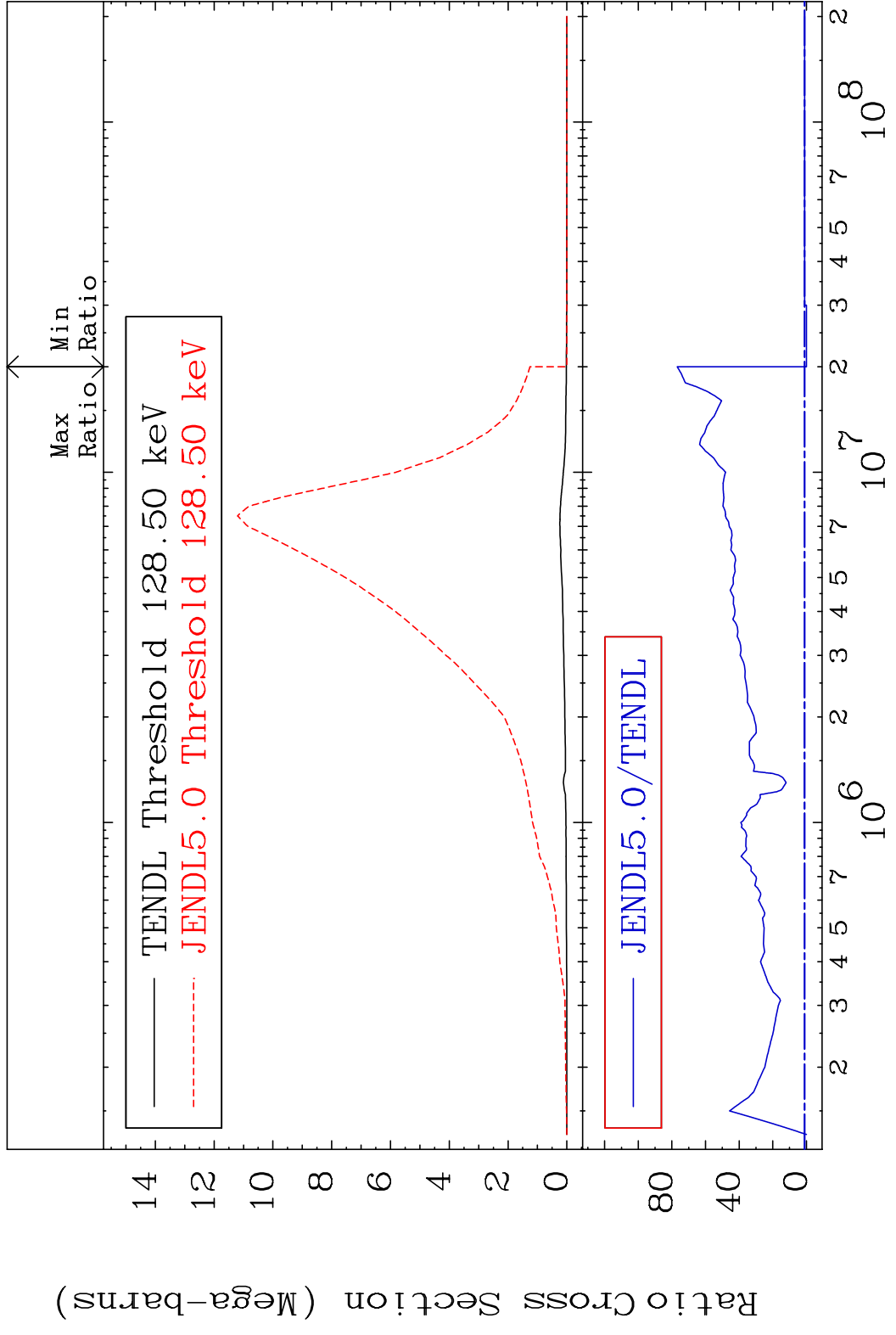


MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101
 Cross Section -838.1 To 9999. %

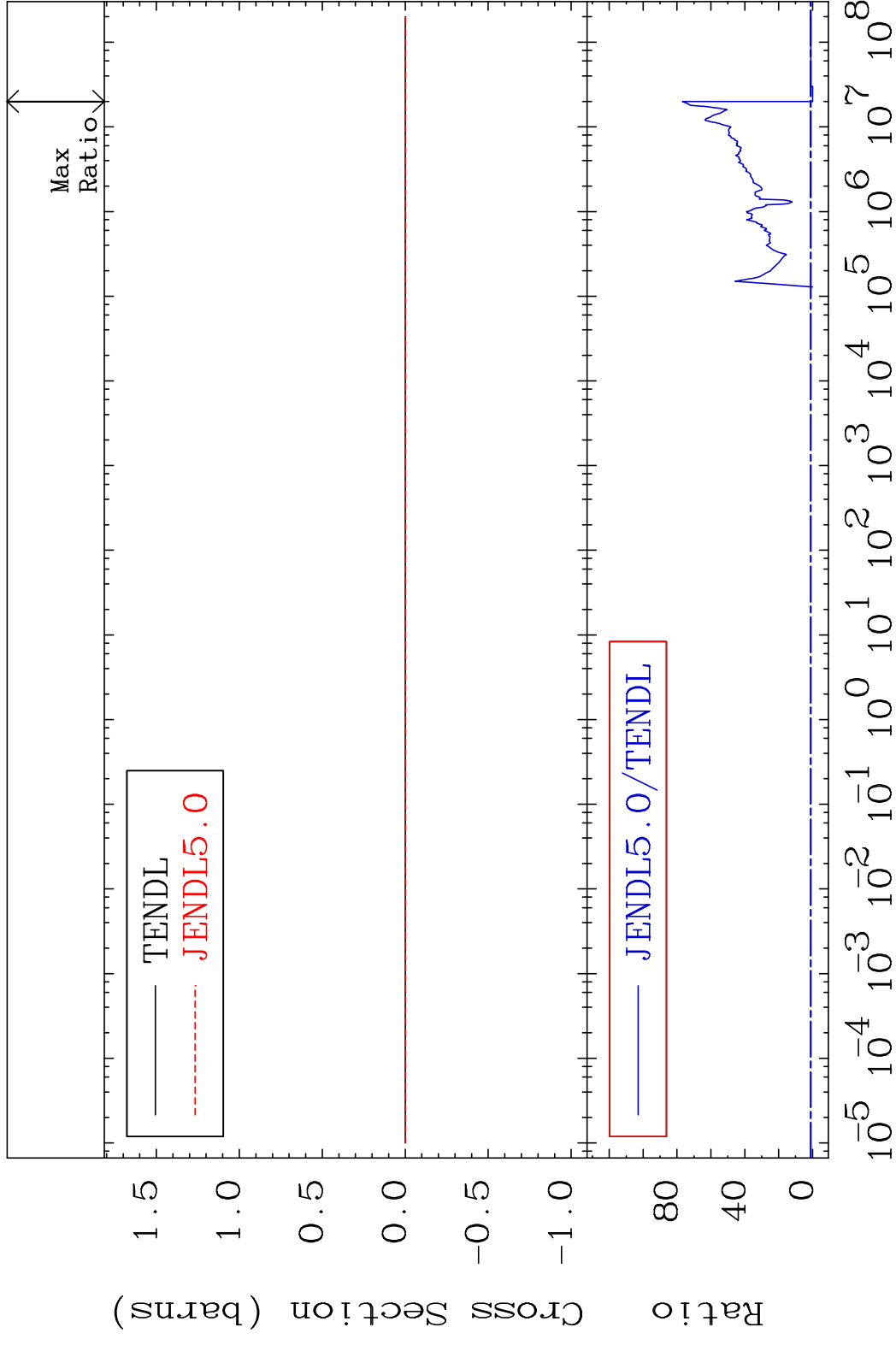


40 Incident Energy (eV) 44-Ru-101

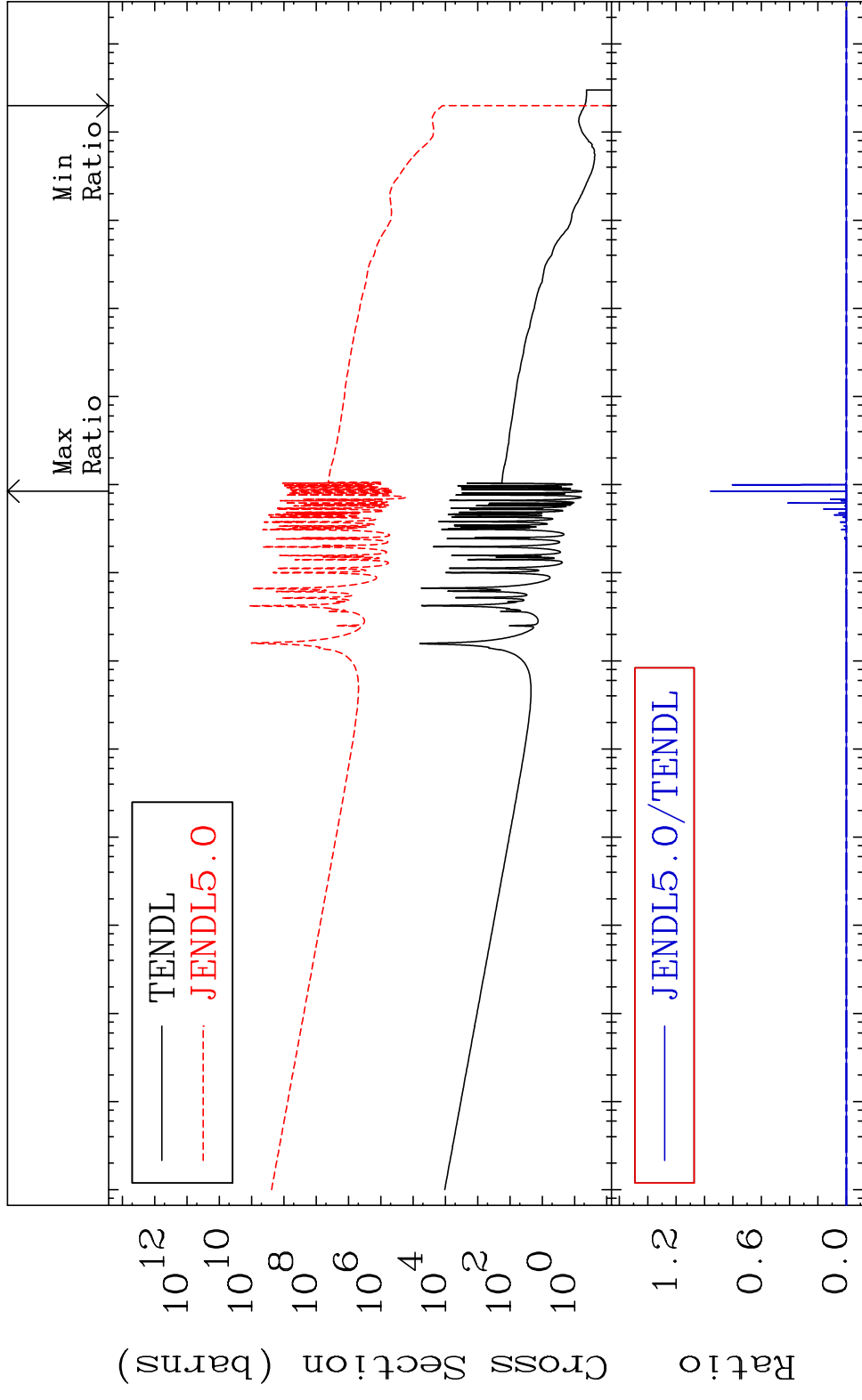
MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 7585. %



MAT 4440 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-101
 Cross Section -100.0 To 7585. %

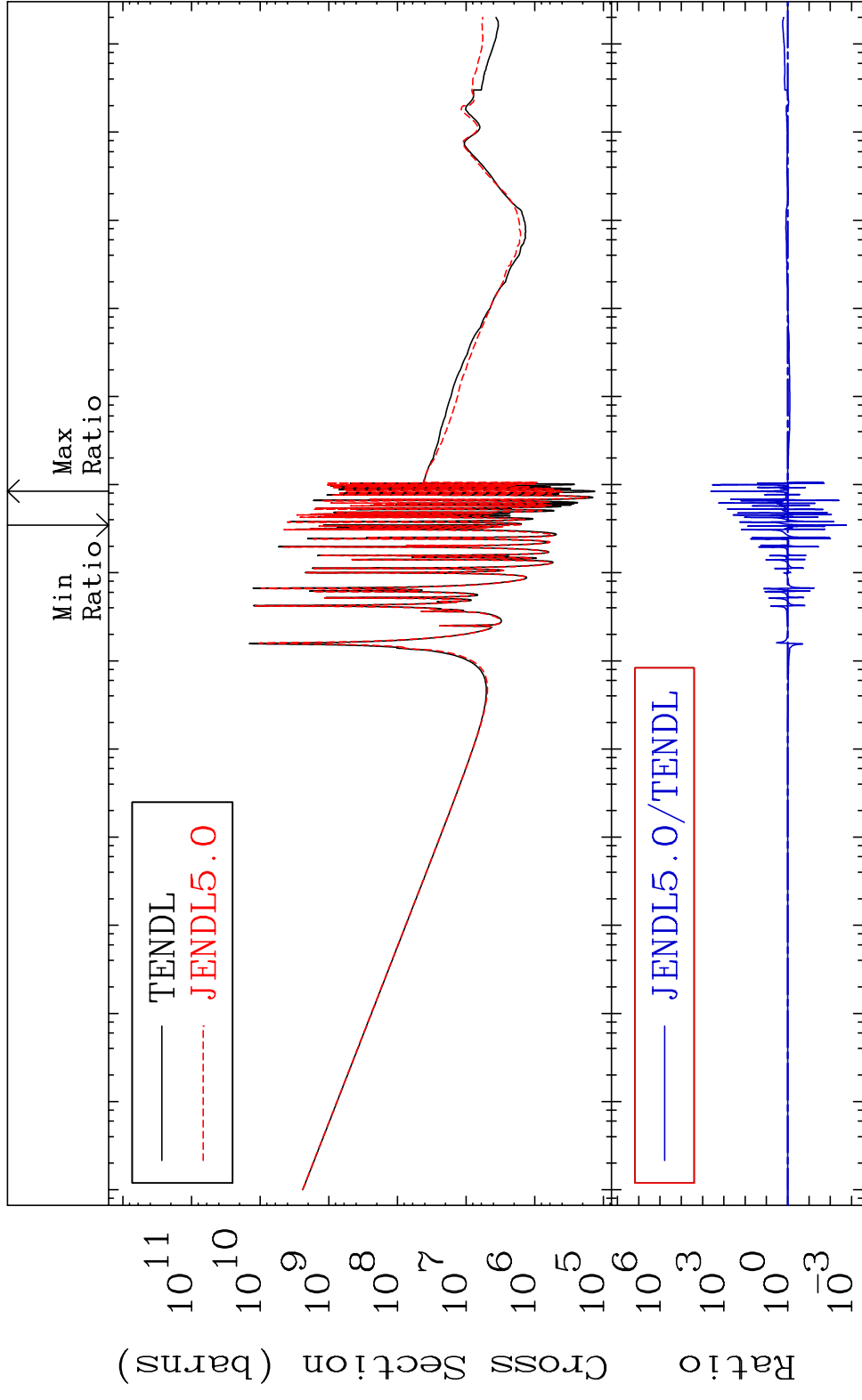


MAT 4440 Kerma capture (mt102) 44-Ru-101
 Cross Section -100.0 To 9999. %



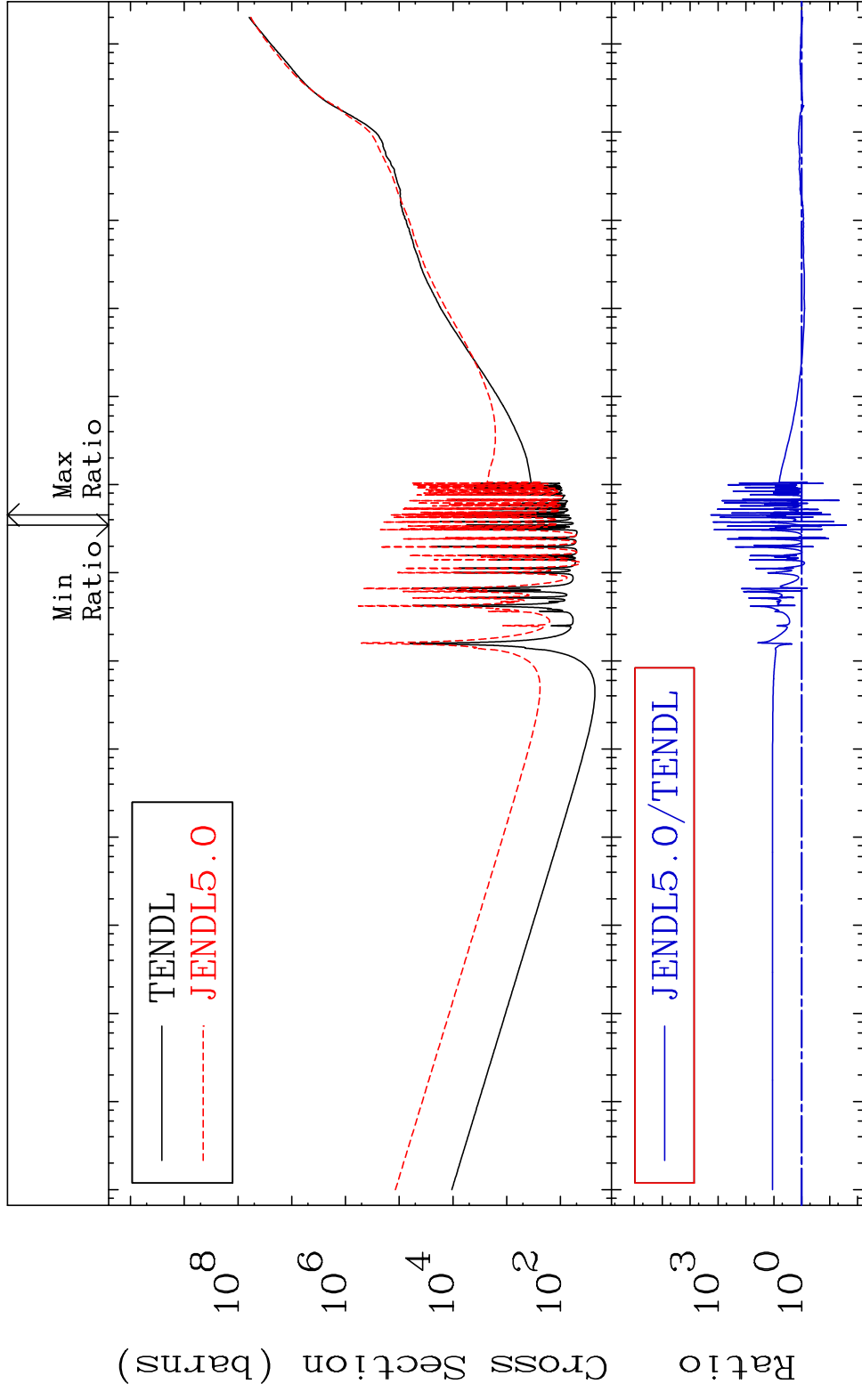
43 Incident Energy (eV) 44-Ru-101

MAT 4440 Total photon (eV-barns) 44-Ru-101
 Cross Section -99.82 To 9999. %

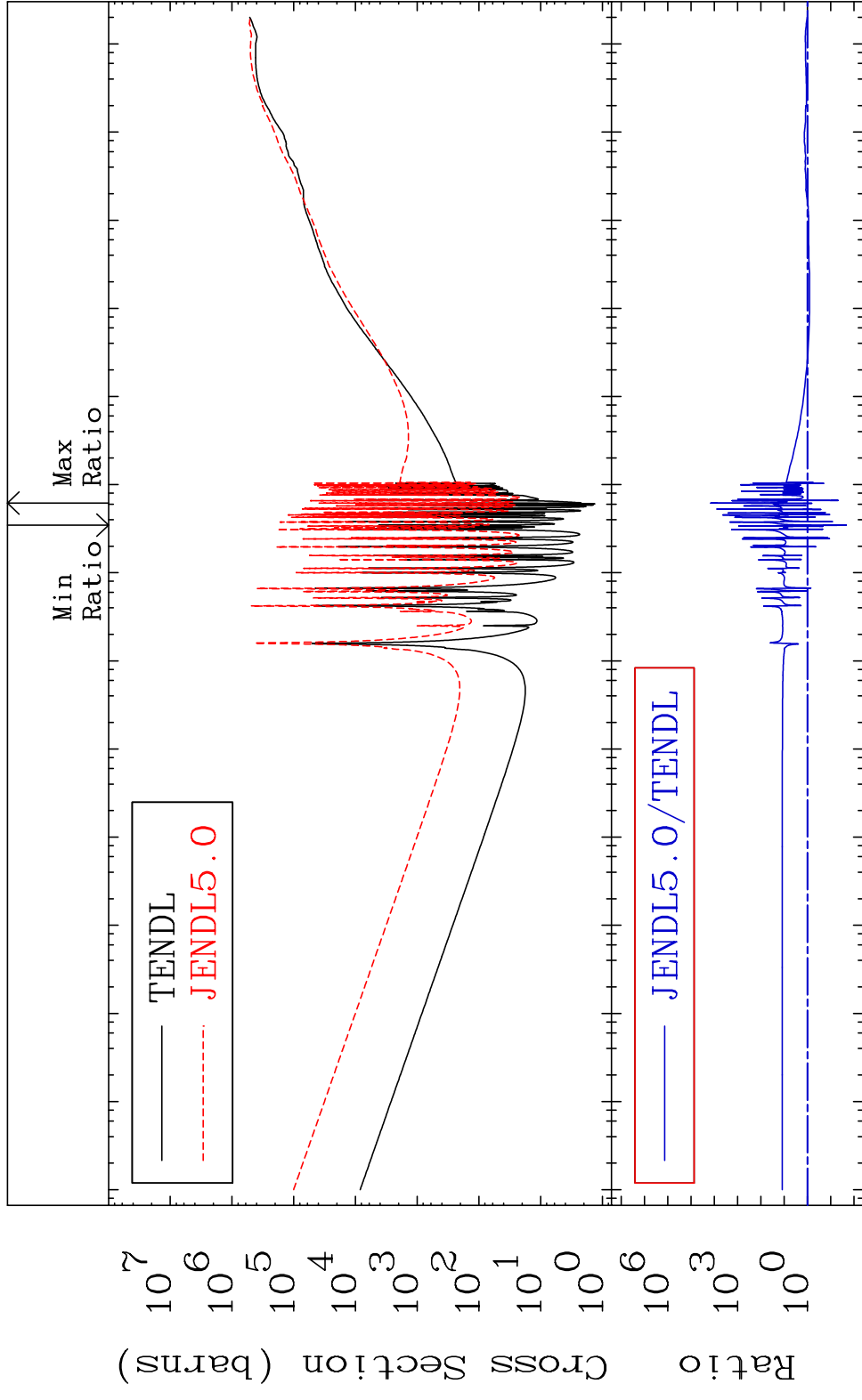


44 Incident Energy (eV) 44-Ru-101

MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -97.47 To 9999. %



MAT 4440 Dpa total (eV-barns) 44-Ru-101
 Cross Section -97.88 To 9999. %

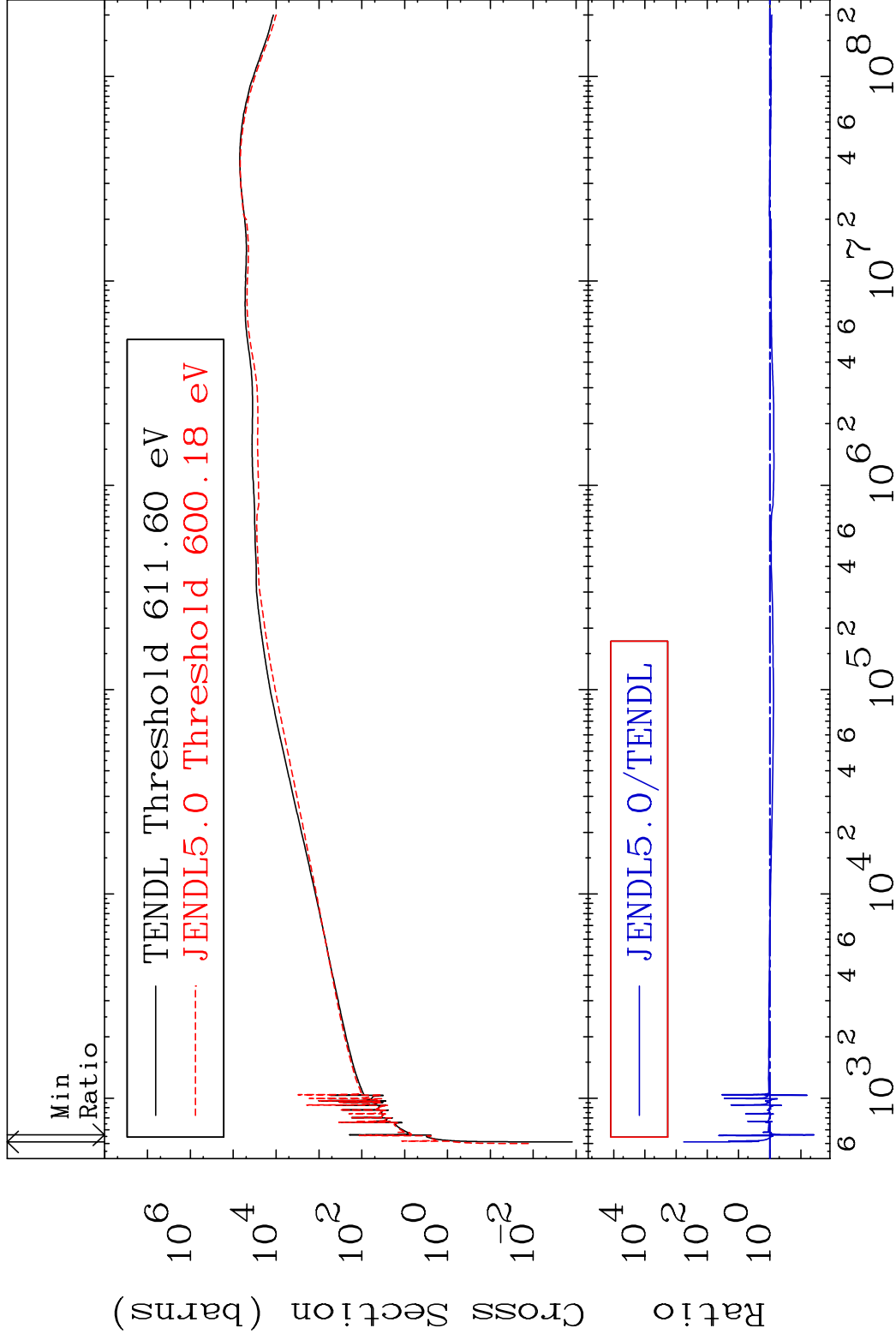


MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section -96.20 To 9999. %

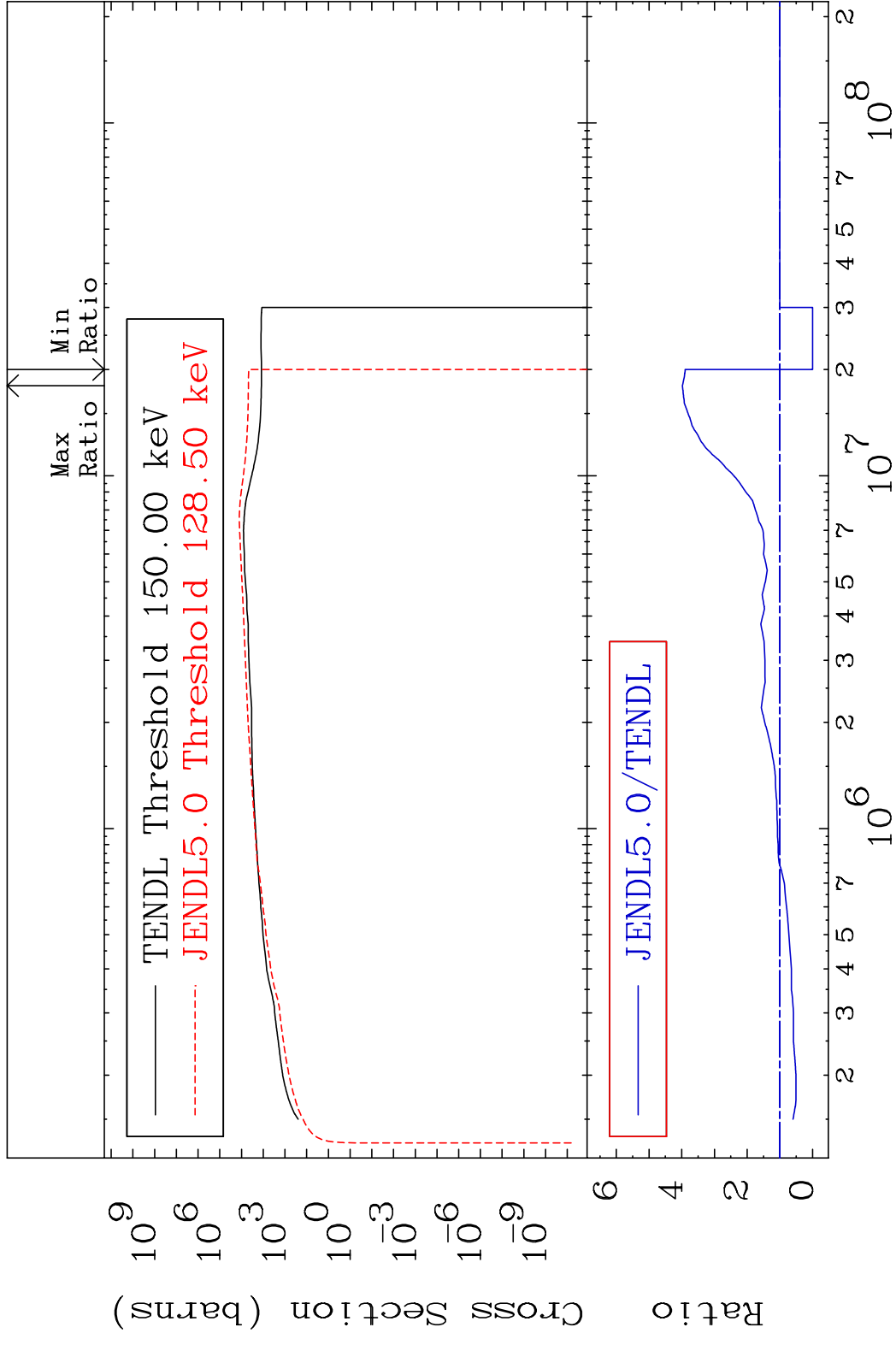


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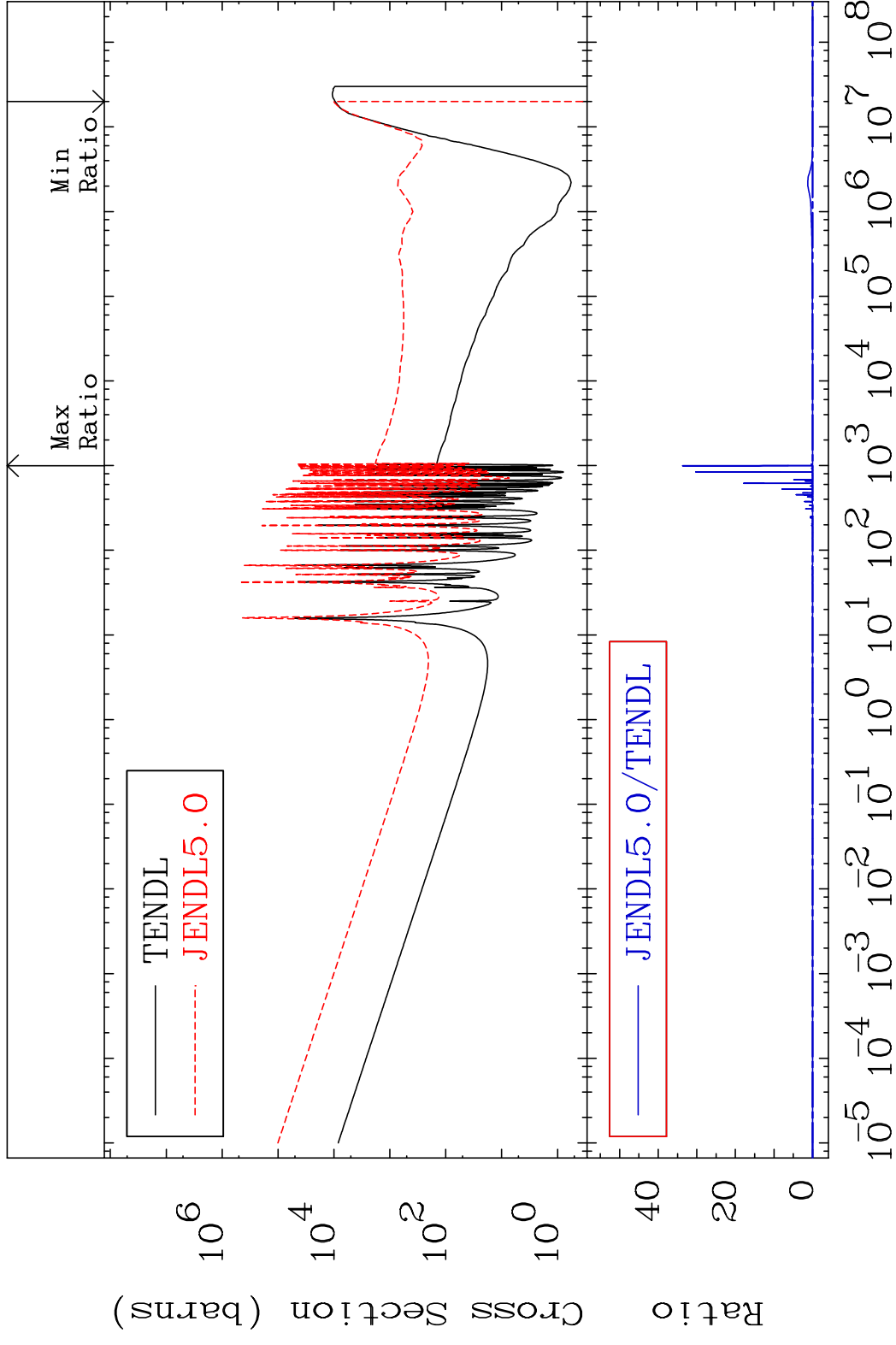
Incident Energy (eV)

44-Ru-101

MAT 4440 Dpa inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 298.1 %

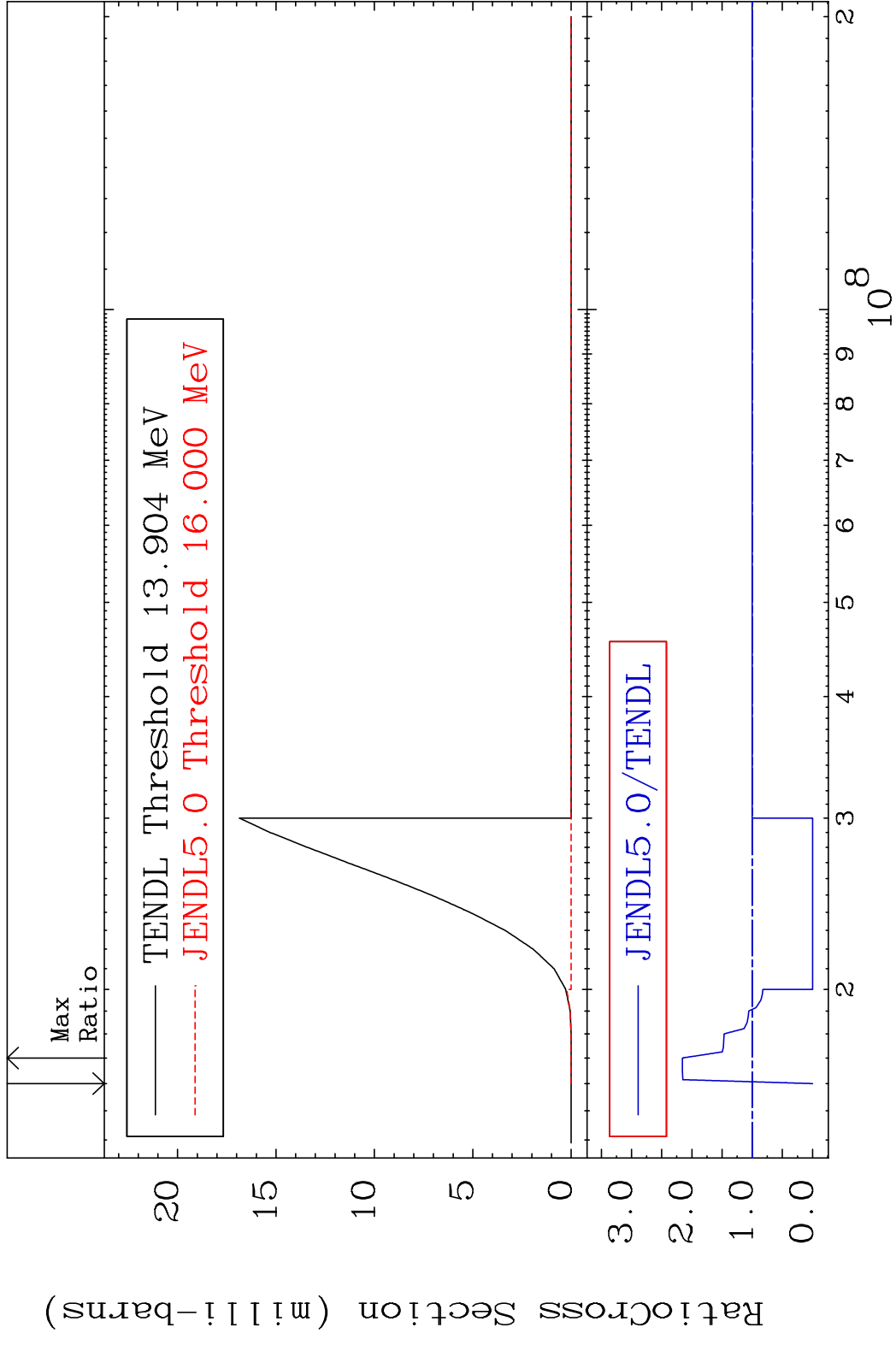


MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101
 Cross Section -100.0 To 9999. %



49 Incident Energy (eV) 44-Ru-101

MAT 4440 (n, n') d:43-Tc-99g 44-Ru-101
 Radionuclide Production Cross Section 180.0 mb 115.8 %



MAT 4440 (n, n') d:43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 100.0 d/o 104.5 %

